New Haven. March. 2. 1816.

Dear friend,

When I inform you, that I am the author of the work proposed under this prospectus, I presume you will perceive the propriety of suppressing the name. You will, of course, receive this communication confidentially, and prevent Eddy and Hazack from knowing that I have any concern in it. I wish you to procure me as many subscribers as possible and send the prospectus to Dort. Ives.

I have now before me; Pursh, Persoon, Muhlenbergh, Wildenow's whole system 8 vols, The Hortus Kewensis, Turton's Linnaeus, Woodville, Miller's Illustrations, Curtis' lectures, Smith, Ray's whole system, Withering's whole system, Rees' Cyclopaedia, The Edinburgh Encyclopaedia, &c &c. I attend Silliman's lectures every morning in Chemistry, and Wednesday & Saturday afternoon in Mineralogy. I have free access to Gibb's splendid collection, and an extensive Mineralogical library. This work will not be guided by the silly arrangement of Pursh. I follow Persoon rigidly in the classical arrangement, and use Pursh only for his generic and specific characters. We calculate to give no individual credit to any European. Saying generally, that those without credit are Europeans, the Americans we shall credit. I wish you to send me your collection immediately. It shall be returned perfectly safe. We wish to be able to quote as many barbarisms as possible, which we have ourselves seen. I remain yours, and wish you success. I rest yours

SURREY CORRESPONDENCE LIBRARY OF THE NEW YORK

to see them, that they may be cited as seen by him in J. Tomy's Herb. I have expressed such a prejudice in your favor in his mind, that he is anxious to notice your herbarium in this work.

I beg you to get my manuscripts from the Agent immediately, and put them in a box with your herbarium and deliver them to Prof. Ansel W. Ives, No 345 Pearl Street. Nail a card upon it thus.

For Amos Eaton. To the care of Professor Ives of Yale College. New Haven

I earnestly hope, that you will grant this favor without one moment's delay. You may rely upon this, that you will never regret the favor. We shall receive the box safely from Prof. Ives of N. York.

If you could get fifty subscribers, the work would immediately go to the press. You and Prof. Rae shall receive gratis one book for every ten your subscribers, which you obtain and send to Prof. Ives. Tell Mr. Rae, I say he must subscribe for Dolly.

Please to present my respects to Prof. Hooker and Prof. Rae.

I am your obliged friend,

Amos Eaton

Mr. John Torrey.

SYRACUSE UNIVERSITY LIBRARY COLLEGE OF FORESTRY

TORREY CORRESPONDENCE
WARBURTON
COLUMBIA UNIVERSITY.

Mr John Torrey.

To the care of William Torrey Esq.
Greenwich.
New York.

Johns Coles
March 23 1816

New Haven. May 25th 1846.

Dear friend,

What I am here about to communicate to you was intended to be kept a secret until the object should be close. But I want your assistance, and must ask it in strict confidence.

Dr. G. having received letters from all parts of the states requesting him to enlarge the plan of our book, he has at length agreed with Mr. Gray (who is now travelling to the Rocky to assist in) and the work will not appear till next winter. Then it will be in two large octavo vols. As soon as this was agreed on, I commenced a pocket book of this title

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

A
System of Botany
For
The Northern States.
In three parts.

I. The Grammar of Botany.
II. A System of Genera.
III. The essential characters of all species in the Northern States, with enlarged descriptions of the most common plants.

The price will be one dollar and 50 ~~cts~~ 1.75 cents. You will see it about the 1st of July. I have about half completed the manuscript. Intend to begin to print week after next.

My method is this — 1st I take every species from Mecklenburgh, credited to Pennsylvania and any state north of it. 2d — I take all the species in Le Conte's catalogue, Green's catalogue, your herbarium & Bigelow's book. Then I take all Ives' plants gathered here — a vast collection. In addition to this, Professor Smith's son has lent me his herbarium of 300 species, collected near Dartmouth college. Such credits of plants are hardly to be depended on; but I use them with caution.

I am now ready to propose ~~what~~ the favor I want of you.

1st Cannot you effect this? Go to Eddy, and other collectors, tell them you are collecting, and wish to know if any new plants have been discovered in N. York, not in Green's catalogue, published in Albany 1814. ~~Get~~ the names, and, if new, get the descriptions.

2d. Send these names &c. to me, and all your own discoveries this spring.

I shall want them as soon as the genera are printed, which will be by the middle of June. Do not neglect me. Many plants are not credited to us by Michaux, which grow here. I found a Sanguinaria canadensis media yesterday — some days ago, I found a Leardamine Pinnatifida, with many others not credited here.

I am collecting every plant I can find. My wife has been long unwell — She does not inspire of company, only to collect and preserve plants, and teach the children. I shall [illegible] your herbarium several which you have not probably seen — I have the Boykalia rosea — Baptisia cocinea — Prosopis pendula. Bionaea muscipula &c.

I have heard nothing from my money since I received your herbarium. I beg of you to send it as soon as possible. I want the "Bugology" very much. You must continue collecting bugs. I shall collect all I can. Young Smith is sent by the college, to collect plants, and he promised me, that he would collect insects also. I told him, that you were collecting; he will give you any assistance towards an American Entomology. — Yours in friendship, Amos Eaton.

Amos Eaton
May 21st 1810

Mr. John Sorrey.
Care of William Sorrey Esq.
Greenbrick St.
New York City.

New Haven. Oct. 4th 1846

Dear friend

I rec'd your post-marked Oct 1st this evening. I am near the P. Office, and will write a few lines.

You have heard of the catastrophe in my family, which was caused by the barbarous conduct of those who compelled me to leave the State. The attending physician certified to Gov Tompkins, that he had no doubt what would be the consequences of my leaving Mrs E. In four days she fell into a state of total derangement, from which she never recovered.

I have made arrangements here in such a way, that I shall have a family in housekeeping in two or three weeks with two of my sons. If you and Dr. Roe will come here and attend lectures, I will have you boarded very comfortably for two dollars twenty five cents per week each. Two clever fellows can be conveniently accommodated by me for that.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

You will never be perfect in mineralogy until you are familiar with Gibbs' cabinet. You will learn many other things there, which you will never regret. You can be in the cabinet just as much as you please. Write me an answer, unconditional, but certain, before I send you the barrels.

Jan House has one copy of Parson's Geologic $5.75 He had 3 copies of Parson's Lymnaeus all sold.

The moment you write me I will buy

Yours &c Amos Eaton

Mr J. E. Jones

Lectures will commence on the 2 of the month.

Mr. John Torrey.
Care of Wm Torrey Esq.
Greenwich.
New York.

Thos Eaton
Oct 4th 1816

New Haven. Nov. 21st. 1816.

Respected friend,

I intended to have sent your herbarium by my brother, Sylvester Eaton, but cannot get it ready. I have not gone through my collection. I have only finished the 11th Class. Then I must bring together all the names contained in your two letters and in your herbarium, before I can know what to put into it from my collection. I believe I can find you about 100 species, perhaps 50 which you have never seen.

TORREY COLLECTION
HERB.
COLUMBIA UNIVERSITY

There are eleven specimens in your herbarium, which I have not found here. I wish you would write me immediately whether you have duplicates of them so that I may take them out of your H. Or if you have not the whole, then send of them as you can spare. I want No. 1 most and the others according to the order in which they stand.

1. Ranchinus echinatus — 2. Vicia Mitchella — 3. Verbascum blattaria 4. Lobelia syphilitica — 5. Heuchera americana — 6. Hibiscus moscheutos — 7. Claytonia virginica — 8. Euphorbia helioscopia — 9. Oxalis corniculata — 10. Calycanthus floridus — 11. Carduus benedictus.

We have received Persoon's fungi, Acharius' Lichenes &c. We are now driving at the Cryptogamia class.

Professor Silliman made me a present of a ticket yesterday for his Mineralogical Lectures. I intend to know all that can be known of mineralogy and botany in this country.

Please to say as much as you can in your letter. Where is Dr. Roe, Dr. Wyckoff, Mr. Abbey, Mr. McFarlan, Mr. Herder & Mr. Thompson the clerk? Is Mr. Parker in the School yet? Where is your brother William? How is your father & mother? And what are you about?

Yours

Amos Eaton

Mr. J. Torrey

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Note. We have had Dr. [illegible] Pride here from Charleston S. C. a month. He is the friend of Elliott, an excellent botanist.

Mr John Sorrey.
care of William Sorrey Esquire
Greenwich
N. York Secty.

Paid 8 Mr Sylvester Eaton.

Sylvester Eaton
Jany 21 1816

New Haven, Feb. 27th 1817.

Dear friend,

You will receive your herbarium by Jesse Gilbert Esquire of this place. I directed it to Professor Mitchill for you.

I am ashamed to be obliged to tell you, that I have not assorted my collection beyond the 12th class. So far I have sent you such specimens as were not named in your letter, nor contained in your herbarium. I was never in my life so pressed with business, as this winter. I have several private students, I attend 5 lectures each week in chemistry and two on mineralogy. I have superintended the printing of my Botanical Dictionary (now by Swords in N. York) and have done much for one Reed in preparing an Astronomical Dictionary &c. &c. &c.

MONROE COLLEGE LIBRARY
COLUMBIA UNIVERSITY

I have received an invitation from the Faculty of Williams College to deliver a course of lectures, this on Mineralogy and Botany. I have agreed to commence on Monday, the 10th of next month. I shall stop no longer with mineralogy, than to prepare the class for Geology. I shall then go upon Bakewell's plan nearly. I have Bakewell, De Luc, Phillips, Aikin & Coleridge. In Botany I have, besides my manuscript, Persoon, Sprengel &c.

Silliman has, to day, given me the most flattering certificate, as a mineralogist, which you can well imagine — Dwight has done the same in botany. Thus equipt I am soon to set out. The distance 110 miles. When I arrive, I intend to correspond more freely with you than heretofore, if possible.

My dictionary is still in my own hands, though published in Howe's name. All your cause to be purchased is so much gain to me. For they are all sold on commission for my benefit.

My Northern State Botany ought to be published, but my subscription list will not yet warrant it. Perhaps it never will, if so many works are coming out. Now hoping that Dr Conrt was soon to publish this, was the principal cause of my deferring it. If he goes on, I will send him my new species and original remarks.

I intend to write a minute account of the Geology and Natural history of Williamstown and its environs — not for publication.

My respects to Doctors Torrey & Wyckoff.

Yours &c.

Amos Eaton.

Mr. John Torrey.

TORREY COLLEGE OF HERBARIUM

Mr. John Torrey.
Student in Physic &c.
Care of William Torrey Esquire.
at Hartwich.
New York.

Paid 25
Sept 27. 1815

Williams College. May 9th 1817.

Dear friend,

This letter I send merely to apprise you of another which I shall soon send by the hand of a messenger. In my letter by Eggs. Gilbert of New Haven who carried you the herbarium I told you of the invitation I had received to come to this college. I have gone through with a course of lectures on Mineralogy and have delivered 14 lectures on Botany. I have a class of about 70 — The faculty also attend, excepting the President.

I have just labelled my eighty eighth species found in flower this spring, all woods plants.

TORREY BOTANICAL CLUB COLUMBIA UNIVERSITY

I have found several plants, which were new to me, such as the Chrysosplenium oppositifolium, Trillium sessile, Calla palustris, Potentilla tridentata, Cypripedium pubescens &c.

I am to deliver about 8 lectures now on Mineralogy in the month of July. I have about 200 species and varieties of minerals in small specimens. But a few essential ones are wanting. I have but few ores, no Asphaltum, Jet nor Amber &c. I shall send you all the new plants I can find, and you must have as many of the following minerals to send me by the very best opportunity as possible. — Every kind of ore with numbers and an explanatory letter, Amber, Jet, Asphalt, Phosphate of lime, Carbonate of baryta, Strontian, Indurated marl, Opal, Emery, Topaz,

Pitchstone, Obsidian, ~~Fuller's earth~~

Write to me by mail that you will have them put up as soon as possible, that I may know you are alive. It is discouraging to write to you, for I never get an answer. If you are dead tell me so — if you are alive I will take pains to accommodate you as much as you do me. I can send you handsome specimens of green tourmaline, rubellite and Jasperine if you want them.

In haste yours —

Amos Eaton.

Mr John Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I have a few doubtful plants. To whom shall I send them for examination? Mr. E.
I shall send nothing till I hear from you.

Mr. John Torrey.
Student in Chemistry.
New York.
Care of Professor Mitchell.

Thomas Eaton
May 9th 1819

14

Williams College, July 18th 1847

Dear friend,

I have had three days notice, that Major Sloan was going to N. York. But I could not write a word till this evening. I have a thousand things to say, but shall say little.

This cruciform plant I call Draba arabijana? Muhlenberg says, he never saw it. I presume he had a bad description of it. You see it has pinnatifid leaves &c. It grows every where in wet meadows. I found it also at N. Haven. Write me your best Botanists opinion.

This Lonicera is the one I mentioned in my letter to you. It is sometimes thirty feet high, twining very closely to other trees. But the largest stem is not one inch in diameter at the base. It grows on steep dry hills.

I have just labelled my four hundred and forty seventh indigenous plant, gathered here this season. My students are very zealous. Many of them are making very elegant herbaria. I deliver six lectures every week extempore, and one public written one in the chapel. The faculty favor my efforts in the best manner possible.

I have received several invitations from

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

different places for my next year's course. But I am not yet satisfied with any of them. I shall probably spend another year in this way in some place. The faculty here will hereafter keep up the spirit of Natural history at this College. I shall probably continue here till the last of Oct.

I wish you would remember Mary Shaw's boarding place, and the day she appointed to return and let me know of the mind I wrote for, as you can spare. Also with respecting these plants and the subjects of my other letter &c.&c.

I wish I knew what plants you want. Have you Trillium sessilum, Cypripedium parviflorum, Cypripedium acaule, Muhlenbergia sylvatica, Hippuris vulgaris, Solidago Potamogeton gramineus, Hydrophyllum virginicum & appendiculatum, Staphylea trifolia, Aralia hispida, Mitella amplifolia, Convallaria umbellata, Epilobium spicatum, Pyrola secunda, Dalibarda fragaroides, Pentstemon pubescens, Erysimum barbarea, Onoclea orbiculata, Lemna minor & polyrhiza, Riccia fluitans & natans? Any of these, which you say you have not, I will send you. I mention these because I never found them near the sea board.

I intended to have sent you a copy of

my Manual; but the foolish printer sent us all the book but the index. We shall send for ~~that~~ tomorrow — it is printed, for we have one copy of the index. I will send you one by mail. I reduced my first plan, and it now consists of 150 pages. I am sorry I did not include more species. Fifty pages more would have made it much better. I could now publish an edition of both the Dictionary and Manual, which would be useful. Perhaps I may in a year or two. The Dictionary would extend about 30 pages further, and the Manual about 100. This would exactly comport with my views of Botanical School-books.

I am respectfully yours &c.

Amos Eaton

Prof. John Torrey.

Can

~~Can~~ you tell Major Moon of any new approved System of Zoology, which he can get for me, for 2 or 3 Dollars?

Amos Eaton

July 18th 1817

Dr. John Torrey.

Greenwich.

New York.

William College July 31st 1849

Dear friend,

We have just 100 Manuals to Swords to be sold. I wish you would encourage purchasers. It will be a convenient pocket-book; though I regret that we did not insert more species. I send you one, and one to Professor Mitchill. Read the note at the bottom of page 125. I am not quite satisfied with the English index. Dr. Beck of Albany made both indexes and corrected the proof. He is good fellow, but has not much practical knowledge of the subject. We have collected 93 spec. with plants.

If Dr. Mitchill approves of

TORREY CONTRIBUTIONS
HERBARIUM
COLUMBIA UNIVERSITY

this work, I hope he will recommend it.

I shall close my course here next Saturday. But shall remain here till November.

I have a noble spirited class; some of them will be excellent naturalists.

Your friend,

Amos Eaton.

Prof. O. Torrey.

I have taught all my days to reverence the name of Mitchill and to esteem that of Torrey. I often mention Rafinesque & Eddy also.

I speak frequently to Stevens of

Dust. Hofack. But I am afraid Pendleton has made him my enemy. I will however treat his name respectfully at any rate.

H.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Amos Eaton
July 21. 1807

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Mr Larson
July 31
Dont.

1812

John Torrey
New York

Amos Dont. Whitehill

18
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Williams College. Aug. 6th 1817

Dear friend,

I received your package by Maj. B. Stoan. Usually I learn the date of your letter by the post mark; but as this has neither date nor postmark, I guess at the date. Tell no one but me, that my Lonicera is a leptophylum, in a manner implying that it is not a Lonicera; as caprifolium is but the a section of that genus &c. I wish you would get the opinion of your oldest botanist respecting the species. I am deficient in books. I have nothing but Pursh, Bigelow, Muhlenberg, Spreng. Smith: popular characters given by Phelps, my translation of about half of Pursh, Elliot, and my manuscripts of Northern States plants. Consequently I may easily err.

I enclose you the three dollars, which appears to be the initiation fee required by your by-laws. I can think of nothing more agreeable to my views, than to be with such a club as yours. I think it most probable that I shall spend next year at Middlebury College, Vermont — Perhaps not. Let me tell you, what you will not believe. Ebenezer Kellogg A.M. Professor of Languages in Williams College, and Chester Dewey A.M. Professor of Mathematics and Natural Philosophy, and Lecturer on Chemistry in Williams College, are the most persevering and zealous naturalists in New England. Mr. Dewey has the best collection of books on the continent. He has collected plants several years, and sent them abroad to be named. He and Mr. Kellogg have directed their whole attention to Nat. Hist. all this season. Now, if you study the interest of your Society, do you get Mr. Kellogg elected corres-

TORREY COLLECTION OF HERBARIUM COLUMBIA UNIVERSITY.

sponding member, and Mr. Denen, Honorary member. They, being situated so far in the interior, in an uneven primitive country, ~~they~~ will be of great use to the society. I will be grateful for their acceptance. Mr. Denny is about 33 years of and Mr. Kellogg 26 — two such persevering, honorable and benevolent men are rarely to be found. They are preparing themselves for teaching Nat. Hist. to the classes hereafter.

I wish you could come here and spend a week or two with us. In September we calculate to take a transverse section from the top of the primitive ridge to N. York line in the manner of Bakewell. You speak of my writing a Flora of N. States. I have more of your modesty; for, without half Prof. Eddy's talents, I would readily undertake it, if my pecuniary circumstances would permit. You know it would yield no profits for 2 or 3 years. I calculate to publish nothing but a new edition of my Manual. I have already begun to arrange materials for that, which I may have ready in a year or two. I intend to include all the species of N. S. with characters as long as Pursh's, but contracted by sections or under Queries. At the end of each species I shall give popular characters by figures in the manner of Phelps. I can compass the whole in 300 pages 12mo and give more striking characters than Bigelow does. Any assistance from you, Prof. Eddy, or others of the society will be thankfully received. I intend to insert all new species &c. I may publish it next spring — perhaps not. I have published but 400 copies of this edition. If you help sell it, we will try another edition next spring.

I should calculate to be more particular about localities and time of flowering than any thing which has appeared. If such a thing could be made consistent, I should be much pleased, if some of the Society would examine the Manual in its present state, and express their opinions respecting such alterations as would make it acceptable and worthy of some share of the Society's patronage. I would then endeavor to get it ready by next April or sooner. If you should bring along your new plants, or full descriptions, we might give the world a taste of what you will do; and in the preface give notice of your full length Flora.

Can you spare me a considerable collection of exotics without much trouble? Is Pursh for sale in N. York? – At what price & whose store? The same of Jussieu?

I have not received my manuscripts, but Mr. Shaw supposes I shall soon. They were not at Doct. Burnett's, Monday.

You ought to correspond with Doct. Amatus Robbins of Troy. He was 3 years tutor of this college – last winter attended lectures in N. York – this summer has been with me a few weeks. Botany he will understand at any rate, and is making great progress in it; though he has but little experience yet. Several of my class will make first-rate naturalists; the best is William A. Hallock son of the Rev. Mr. Hallock of Plainfield (Mass.). He resides on the top of the granite range. In friendship yours

Amos Eaton

Dear J. Torrey

I am afraid my orchis rotted before it reached Dr. Mitchill. It usually grows three feet high and as large as a small-leaf mullein. Stem leafy, 2 stems fasciled, stems shorter than germ. Do you know any orchis with these three characters? Have I ever sent you our Zygobotrum colonis? [the Manual] It abounds here in Bigelow's Plants, but has end in the fruiting.

CORNELL COLLEGE LIBRARY
HERBARIUM
COLUMBIA UNIVERSITY

Yours Sincerely
Aug. 4.

John Torrey

To Prof. Prosser
Mitchill.
New York.

Phila. Pa.
Aug. 6, 1817

15/12

Wm Col. Aug. 14th 1817

Dear friend,

In my last I forgot to answer that part of your letter where you make enquiry respecting the species in the Northern States &c. &c. I went through Muhlenberg's last journey and endeavored to find description of all his plants — this was the result. 624 of Muhlenberg's phanerogamous plants were not to be found in Pursh under any synonyme &c. Of these 338 are described in Persoon — 39 in Willdenow, which are in neither Pursh or Per. — 13 in Hortus Kewensis, which are in neither — the remainder about 230 are intended to have obtained from Lancaster.

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

I believe Gov. Clinton has taken off those restrictions respecting my residing in the State of N. York. But I never heard of any application to him by my friends. I suspect he will not follow the parasitic jumpings in any of his acts.

I find you often decide two hastily as well as I. The Arabis I sent you is certainly not a Myagrum. It has not one of its characters; but will agree as well with a mullein or burdock. Myagrum. Silicle multicellular or in some species one in other the other suppressed. Seeds flat. The plant I sent you

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

has the silicle smooth, opening regularly by 2 valves and leaving the partition on the receptacle — cells 2, parallel, both fertile with about two dozen seeds in each — cotyledons angular, often nearly rhomboidal, resembling the granulations of the mineral, coccolite. It is certainly a draba or the diagnosis of that genus is very imperfect. You might question the stigma's being sessile. But it is sessile, and the appearance of a style is the prolongation of the partitions, as in the Siliquis, disseminatum promiscuous. You ask whether I ever saw a yellow flowered draba. Persoon says the draba nemoralis is yellow. This may not be the arabijoides, but Persoon says the silicle of the arabijoides is ovoid acuminate by means of the style. He would have been more consistent with his generic description to have said, by means of the elongated partition. But we know what he means, and this character is found in my draba. As he gives arabijoides as a synonym of arabis, I think ours is a new species. It may be called Draba hyrata. Its diagnosis may be thus: Stem leafy, branched; flower leaves hyrate, upper ones sub-pinnatifid. The draba you sent me is certainly as much like it in habit as we could suppose, since it is under a different section; which is far from an artificial difference.

Yesterday I collected several additional specimens of our Muhlenbergia & Hugo of hay them for you. Have you the Staphylea trifolia,

Cypripedium pubescens & Parnassia asarifolia.
I have a new Cynoglossum. We have found
both of Muhlenberg's species here, and this
differs from both. It has all the characters
of Persoon's description, but that species
is not credited to this country. The root is
very small as you see here. It grows 3 or 4 feet high.

The mail will not wait for me

Yours &c
N Thaxter.

J. Gray.

Wm Dow Esq
Augst 14th

18¾

Doct. John Torrey.
Care of Doct. Mitchill
New York.

Admiral Codrington
Augt. 14th 1817.

Northampton (Mass.) Sep. 20th 1817.

Dear friend,

I received your letter of Aug. 27th I am very sorry you were so disappointed at Lake George. My Dahlia was not introduced, unless mullein were. I wish you to propose Prof. Dewey as a corresponding member. You say I have not sent plants to L. I have them ready for you, but wait for a good opportunity. Has Dan'l Mitchill received the minerals I sent him? I did not receive my M. S. till last Tuesday, and now Rome has kept back, or given to Pendleton, the important receipt I mentioned. I begin to talk of Dan'l Eddy's flora, and shall hint it, incidentally, to Bigelow. You say you want northern plants. I believe I can help you considerably in that way. You may depend on my doing all I can if Dan'l Eddy will really go on in earnest. What do you mean by my doing a Solanum alkakengi? There is no such thing in the book. You marvel at Linnæus' Leviathan — ask your mother to show you some garden lovage, and then see what e means at the end. These signs are often omitted by the careless printer, but not in this case.

The corporation of Williams College conferred on me the degree of Master of Arts at commencement. How will my enemies like this? The President and Faculty signed a very flattering recommendation also in my favor. But as Dan'l Mitchill was the first who mentioned his name in my behalf and gave me a very handsome outset

in the very face of public reproach, I feel under greater obligation to him, than to all others.

Since commencement (the 3d Sept.) I have crossed the primitive range from Hoyock Mt. to Con. river in three places, and travelled in zigzag lines, so that I am now master of every material fact. I took geometrical surveys in every part, and have sketched a geological map of the whole country, 15 miles in breadth. Several of my students accompanied me for one week. Many of them reside in those regions; so that in travelling more than 200 miles I spent but 3 dollars. I particularly examined the Chesterfield and Goshen works and Southampton mines &c. I found the Ichnite corrugata in great abundance in Crooked pond in Chesterfield Mt. also several other plants, as Andromeda polifolia, Kalmia glauca, &c. and one aquatic plant of the 5th class which I do not know. It has a single cordate leaf, floating like the Hydrocotyle peltata, and growing with it. The flowers come out in a fascicle a little below the leaf, and have a fascicle of spines opposite to them. I have not looked much for a description, because I left all my specimens at Plainfield to be brought to me by Mr. A. Hallock.

I was invited to Northampton by Prof. David Hunt. He has raised a pretty good class here, to whom I owe to deliver a course of 7 weeks, in the town house. We can now correspond with more facility. I have not concluded where to spend the winter and next summer. I had several good reasons for accepting the invitation here. I wished to explore this very interesting country, and I shall be enabled to add considerable to my mineralogical collection. I left my collection at home. Col. — Dan. Hand[illegible] is at home Col only for one season, and my time expired, and pledge themselves to my extent.

One of my students, Mr. Cartman brought me a Sanguinaria flava from Granby I believe. It was a bad specimen and I may be in a mistake. I am sure that he has brought me the Lygodium also. He is to bring me more of that hesitate when I can not find a plant in Northampton but the generic character as well as specific differ widely from Elliot — there is not a filament in the throat, the limb of the corol is spreading. This plant is

Dr. John Torrey

Case of Dr. Mitchill

New York

Sept 20

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TORREY CO. H. COLUMBIA UNIVERSITY

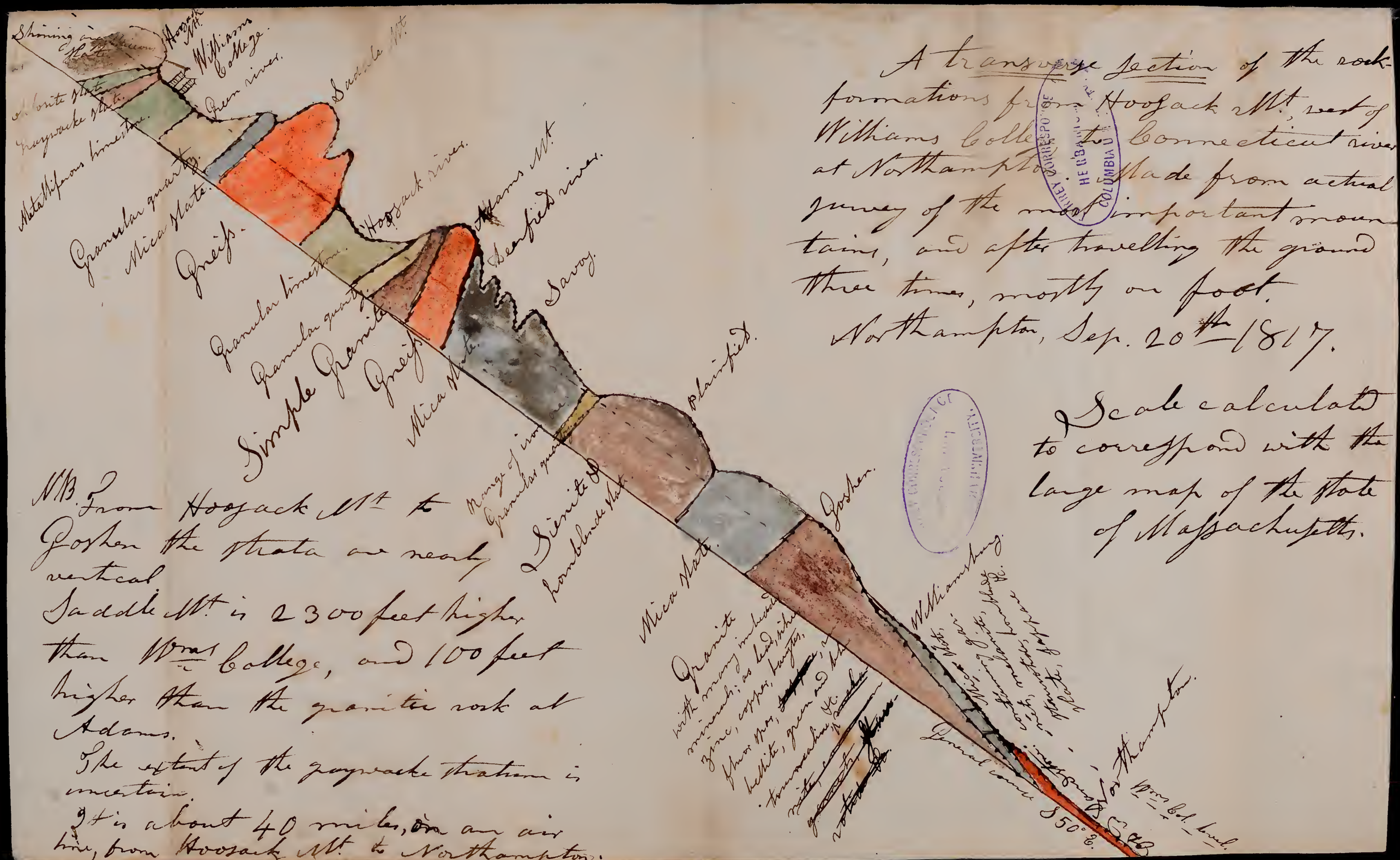
TORREY CO. H. COLUMBIA UNIVERSITY

Samuel Coles
Sept. 20. 1817

A transverse section of the rock-formations from Hoosack Mt. west of Williams College to Connecticut river at Northampton. Made from actual survey of the most important mountains, and after travelling the ground three times, mostly on foot.

Northampton, Sep. 20th 1817.

Scale calculated to correspond with the large map of the State of Massachusetts.


Shining mica slate
Hoosack Mt.
Williams College.
Green river.
Saddle Mt.
Albite slate
Graywacke slate.
Metalliferous limestone.
Granular quartz.
Mica slate.
Greiss.
Granular limestone.
Hoosack river.
Adams Mt.
Granular quartz.
Simple Granite
Greiss
Mica slate.
Deerfield river.
Savoy.
Plainfield.
Mica slate.
Goshen.
Williamstown.
Granite with many inclusions of minerals; as lead, silver, zinc, copper, bismuth, fluor spar, ~~[illegible]~~, bellite, green earth, tourmaline, etc. ~~[illegible]~~
Lenticular masses of granular quartz
Siennite & hornblende slate
Granite containing Galena, Sulphuret of Zinc, Sulphuret of Iron, Sulphuret of Copper, Sulphuret of Bismuth, Fluor spar, Tourmaline, Bellite, Green earth, Albite, Lead, Silver, Gold, Platina, Iridium, Osmium, Palladium, Rhodium, Titanium, Chromium, Tungsten, Molybdenum, Columbium, Cerium, Uranium, Tellurium, Antimony, Arsenic, Cobalt, Nickel, Manganese, Iron, Zinc, Copper, Tin, Bismuth, Mercury

Northampton. Oct. 2 – 1837.

Dear friend, I have made out a draft of my geological map, and transverse section. I intend to send a copy to the Lyceum accompanied with specimens from every part of the district. Perhaps I may make some reflections, at the same time, peculiar to myself. I send you this sketch, because it will be some months before I shall find time to complete the plan. I think this region clearly proves the existence of a granular quartzy stratum. Bakewell's distinction between granular and metalliferous carbonate of lime are clearly verified here.

Geologists, who have hurried through here by stage have called this an entire region of the primitive formation. You see, that we have two distinct ranges of granite – one remarkably free from imbedded minerals, the other remarkable for its great number and variety.

We have greenstone trap here on Con. river containing fine specimens of agate, and some zeolite, chabasie and chalcedony.

I received yours of the 26th ult., enclosing the diploma. I have found no remarkable plant here. I lecture in the town hall – I have a class of about 25 gentlemen and 40 ladies. Gov. Strong's daughter, the Hooghaads, Hunter &c. belong to my class.

I fear my hopes at Middlebury College may suffer some check. Professor Allen negotiated with me and was a fine fellow. He fell from the college roof last week and died in 7 hours. I have not yet begun a correspondence with the other members of the faculty. Respectfully yours,

Amos Eaton.

by a Lady Friend.

Note. I have a box of minerals, some handsome minerals, for the region E of Schoharie, lying between the Lake and Lake Champlain, on a line with Rutland, Vt. last June.

102

Mr. John Torrey.

Care of William Torrey Esq.

New York.

Samuel Coates

Sept. 26th 1819

Northampton. Oct. 5th 1817

Dear friend

In a letter to Bigelow I told him I was going to propose a system of Botany on his limited plan; only taking in New England. I added, that I believed you and Dr. Eddy had contemplated publishing the botany of the Northern States &c. In his answer, he says that he approves of a multitude of local works on Natural history. That Boot is a man of great wealth and cares nothing about the expense or profit of the work &c. He says, he had expected that Muhlenberg's Lancasterensis would include all the plants of the Middle states, &c.

I want you catalogue by the Sheet, as fast as it comes out. But you know common Botanists here will think it not worth while to purchase it. Dr. David Hunt wants a copy. Professor Dewey of Williams College, I presume, would sell one dozen. He is remarkably accurate in his accounts & always sells books for Jos. Howe of N. Haven. I have no book for species of mosses. Any body can find out the genera by our manual. Of lichens I know you have the Lettgaria flaccuosa, Cornicularia aculeata, Parmelia perlata and angiferinus. You have also Marchantia polymorpha. I can do nothing material towards your cryptogamous species.

Where will Muhlenberg's Lancasterensis be out? I continue to get it by the sheet. I am glad Mr Rafinesque has not set you all wild. Why cannot he give up that foolish European fooling, which leads him to treat American like half-taught school-boys? He may be assured, he will never succeed in this way. There are many learned men in New England — All begin to call him the puffing egotist already. He will soon become the butt of ridicule, and thus

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY

destroy his usefulness. His account of foreign plants is considered as the production of vanity, in no way useful to the readers of that work. His naming new snakes and eels from newspaper accounts related by drunken ignorant boatmen, is considered as a mark of uncommon weakness and vanity. His new names with which he is overwhelming the science will meet with universal contempt. Cannot some friend induce him to return to sober reason, and thus make himself highly useful and much esteemed? He ought to know, that he does not stand high enough in the literary world to enforce these innovations. He was never formed by nature to lead. He ought to be contented to follow.

I have Mr. Cleave's geology, but never admired it much. There is a mass of general facts in it, which are of use. His reflections are crude and his statements often untrue. I have given much attention to practical geology within two years; and read all the works which come to hand on that subject. Bakewell is superior to every thing. De Luc has some good thoughts; but is a monstrous egotist. Next to Bakewell I prefer Kirwan. Phillips & Cleaveland are good as far as they go.

I have given a short course of evening lectures on chemistry here. I exhibited all the usual experiments with gases, acids and salts &c. Then I exhibited minerals enough for understanding geology. I am now on geology. I have taken pains to make several accurate transverse sections in this country. I intend to send them to the Lyceum. My class-room is crowded with the first people here of both sexes and all ages. I close next week. I have in my class, 55 ladies, four practising lawyers, 3 students at law, three practising physicians, 2 students in physic, three other gen-

Tiemen from Yale college, one Senator, one representative in Congress, one Common pleas judge &c.

Cannot you get the members of the Lyceum to subscribe for my Manual? I shall publish it myself, if the subscription will warrant it. I do not like to be dependant on speculating booksellers. Get all you can as soon as possible; for if you calculate to do it any time, you will never do it.

Write me any improvement, which you or the members of the Lyceum can suggest, consistent with the general plan, and not mentioned in this prospectus.

Bigelow says, that my Diabas and your Syenite is the Dijymbrium amphibium. If so, the distinction between the 1st & 2d orders of the 15th class is not so clear as I had supposed. I expect to see Bigelow in a few weeks. If you wish me to come, [illegible] on the subject of your Northern State, please tell me what to say — But you must write very soon after receiving this; for I may see him week after next.

Your friend,

Amos Eaton.

M. J. Perry.

BOTANY CONSERVATORY
HERBARIUM
COLUMBIA UNIVERSITY

I send you a Manual prospectus in the mail with this.

18¼

Doct. John Torrey.

Nov 6 Care of William Torrey Esq.

New York.

Albany Oct 5th 1817

Monson (Mass). Feb. 26th, 1848.

Dear friend,

I suppose you receive my Index to Geology. I do not expect to have justice done me, respecting that pamphlet by any person in N. York, but Dr. Whitlaw and yourself. The labor was immense; but I shall be conquered for not flattering European geologists in a more servile manner. To have done this, I must have shut my eyes to truth and common sense.

I want your catalogue now very much. But if it will shortly be printed by the middle of March, you need not take the trouble to give me a manuscript copy.

I am now giving my fourth course of lectures in Geology and Chemistry for this winter. You Yankees, who have every convenience about you, know very little of the immense family of children brought forth by dame Necessity. I give most of the experiments of Henry and Cauthrey with about 50 dollars value of apparatus.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

a pewter pocking-bottle is my phi-
osophic gas-bottle — a stone jug and a tin
tube, my earthen retort — a tea-kettle
with the spout luted on, is my iron re-
tort &c. I have a complete pneumatic
cistern with several of my own improve-
ments. My glass retorts &c. are also regular. But
most of my apparatus is sui generis.
I have had in all my classes more
than three hundred pupils. You will
wonder why my lectures are so popular.
I will tell you. I am perfectly acquain-
ted with this sort of people. "I become all
things to all men." Silliman, McNeven,
Griscom or Davy would do nothing here.
I turn every thing in science into
common talk. I illustrate the most
abstruse parts by a dish-kettle, a warming
pan, a bread-tray, a tea-pot, a soap-boiler
or a cheese-press.

My principal patrons are the
ministers, doctors and lawyers. &c

Governor Strong gave me a very flattering written recommendation, when I left Northampton. I always go recommended from one clergyman to another, and never get out for a place until I am invited by at least one magistrate, one doctor and one lawyer.

After all I am tired of this wandering life. I would prefer six hundred dollars a year in one settled situation, to three thousand obtained in the Gator-like life.

Write to me immediately, Direct to Monson, until ~~the~~ it is too late for a letter to arrive ~~here~~ by the 14th of March. Then direct to Belchertown.

Your friend,

Amos Eaton.

Wm J. Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Monson Ms
Feby 26th

18¾

Dr. John Torrey.
Care of Wm Torrey Esquire
New York

Arthur Sartor
Feby 26, 1845

Brimfield. March 24th 1818.

Dear friend,

I wrote to you from Monson, and gave you time to answer me there. But I received no letter. I received one from Dr. Whitehill, directed to Leicester. Now you may write me a mere scrap, which may be lost without the loss of any good thoughts, and direct to me at Brimfield, Massachusetts. I say this, because I shall remain here no longer than the 4th of April. In this do you tell me, whether you will do as follows:

Send me a catalogue of your plants, directed to me at Albany, to the care of Messrs Webster and Skinner, Booksellers. I am to be there the 17th of April, and the publishing of my journal will commence immediately. I have left several ruled lines at the end of every Species, in order to insert whatever I can get from your catalogue, after I arrive in Albany. You must not wait for me to arrive in Albany. Send it in one hour after receiving this.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

What is the matter with Rafinesque? In the March number of the New York Monthly Magazine we are not amused with the usual quantity of the new names and wonderful acts of Mr. R. written by himself. Now do appoint some member of your society to write half a dozen pages every month in praise of Rafinesque. Then I presume he would willingly devote part of his time to some other subject. I have defended him in New England, until I am ashamed to mention his name. His name is absolutely becoming a substitute for egotism. Even the ladies here, often adorn their criticisms with the name of Rafinesque, applied in the same. They talk of the science of Rafinesquism; meaning the most fulsome and disgusting manner of speaking in one's own praise.

Since I printed my Index, I have found, in the Western range of porphyritic gneiss, cart-loads of the most beautiful crystals of adularia imaginable. also vast quantities of magnetic iron ore.

South of Belchertown, in Monson, I have found abundance of arseniate of cobalt in fibrite.

I am now at the house of the late Gen. Eaton, who made so much noise in Tripoli. He was my first cousin. He has a very amiable family. Perhaps his two daughters (one 20 the other 18) are not exceeded in New England, either in their mental accomplishments or personal elegance. I am giving a course here in Chemistry and Geology. I stay the 4th of April, and set out for Atlanta the next day.

I have devised a new way of teaching botany, which is much better for teacher and pupils. I am to take five classes for the season, in five neighboring villages — Northampton is to be my head-quarters. I lecture at each every fifth week, throughout the season. In this way, every class will have the benefit of the course, keeping pace with the progress of vegetation.

Your friend,
Amos Eaton

Prof. John Torrey.

Bruns.
Mr Meade 24

1842

Doct. John Torrey
Care of William Torrey Esqrs
New York.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Albany Cabs
March, 24th, 1846

Albany, Sunday evening, April 12th 1848.

Dear Friend,

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I received your letter. Our printing commences tomorrow. But I have so managed the work, that any thing can be added to Species next week.

Do you go to the Storm bound which arrives next from there and get a bundle. It leaves Albany Tuesday morning at 9 o'clock. I shall you two or three specimens to name. ~~I shall~~ The spiked plant was sent me from Deerfield in its present state. The mass of corrosive-like stuff grows in a swamp near Northampton. I never saw the flower — possibly you may know it. The Robinia I want to know. It is the low bush. I could never satisfy myself about it. The umbelliferous plant grows every where; but I do not know what it is. The Lycodium (or Hydrostemon of Pursh) I send you, because it happened to be here.

I send you three dozen Indexes. I wish you get me a Pursh for a reasonable or unreasonable number of them. I have a business one now.

You must be a tolerable clever fellow to permit me to publish your new species first. But if the Manual is tolerable, it may not offend you. But I must be permitted to disagree with you respecting exotics. Had you ever been employed as a country teacher we should be of one opinion in that respect. But your other request shall be complied with — that is, the specific descriptions shall be nearly as long as Persoon's, and every species shall begin a new line. I follow, in one respect, the plan of Martius's Mueller. I give the genera; then the species under an alphabetical arrangement of the generic names. This may be objected to at first, on account of separating natural genera so far. But I have used such a arrangement two years and find it the most convenient. After a very little experience, a student generally knows the genus without reading its character. Then he may find it alphabetically and search for the species, &c. I shall give the common synonyms, and the authors' names to all new species. But it seems to me useless in any compilation to give all the European and other. I care very particular about the abbreviations,

following reasons, — colour and duration. As to place of growth, I think you can tire minute. I give it in all aquatics &c. But I can find the same plant in several of your specified places. For example, you say Veronica virginica grows in rocky woods, — in N. Haven it grows in a wet meadow, and in Bowdoin in a sandy plain; and the Jeffersonia ternifolia certainly grows every where. I think some of Pursh's places of growth often mistaken. He says the Sagina procumbens grows in barren fields. In N. Haven it grows in a sandy plain at the foot of Pine-rock; but much the most common directly in the water, which proceeds from Ball's cold spring, and on the large stones in a brook under Hast[illegible] I conclude to have no character for this, on account of its great variability; but to express it in cases where plants always grow in water, or wet places.

The Convallaria umbellulata grows every where about Williams College. It does there differ in habit considerably from the rest of the genus. Shall I follow Mr. [illegible] in calling it Clintonia? I wish I had your opinion now; for I fear I shall not hear from you till the 6th step is finished.

Yours —

Amos Eaton.

Dear J. Torrey.

Dort. John Torrey.

New York.

Son of Wm Torrey Esq

Asa Gray

April 12. 1878

Albany May 6th 1848.

Dear friend, I send you, for correction, an abstract as far as it is struck off. In your letter of January, you did not look at the land, which was for Northern and Middle States. You will begin with stating about many not genuine figures and authorities. Edwin James is preparing a book of Synonyms as a key to many things of the land, which students at first want no synonyms nor authorities. Every thing that is named shall give with the authors as nothing else, excepting what is necessary to prevent error.

TORREY CORRESPONDENCE
N.Y.B.
COLUMBIA UNIVERSITY.

I cannot give you a definitive give date time as I go along. I shall give your name with the new things &c. In the preface I shall do your justice, that I will not disgrace you with fashionable stuff, nor blame you.

You see we shall be a great back at last. I was intended to make a great light. I merely wanted a book for the purpose of extending botany among the common people. I intend to omit nothing knowing. If I come forward I cannot do better beyond the plan. I shall insert all I know, as many that I can, but in such a way as not to incumbrate error.

You promised me a Comparative Conspectus, but I have received no such description. I can hardly get it in mind, but you have better leave it by the most book.

Have you like to have Indexes for Pinsch?

You ought by all means the letters to Hogback. You are not bound to extend every one with whom you have intercourse. Do him justice for his attention to you, and avail yourself of all the advantages he throws into your hands for the benefit of Science and of yourself. You are not obliged to commit yourself to a person, if you have not full confidence in him. Neither are you obliged to publish his faults, nor to expose all your own imperfections. Treat his attentions with respect. Most still, essentially, be the same John Tommy forever, and go on independently. There is a way of treating that subject precisely rightly, and disagreeable out that way. At any rate, do not slight his attentions.

The Natural orders of Jussieu were not printed until the genera were finished. We could not refer to the descriptions before. So you must rip up your book and put all to rights by the pages

Mr Gray

I shall take a day in Albany & Troy.

You will look with at some of my exotics. Now I will tell you the rule which governs me in selecting them. I take all I find cultivated in the interior of New England. I made Northampton the standard. I have not included a dozen which are not cultivated there. I added four or five, which I found in Albany and Troy. Do you know the exotic called the <u>Shell-flower</u>? It is didynamous with an elegant small flower, surrounded by an enormous calyx, which is glabrous, and by the help of the fancy resembles a scallop shell. Grows about 14 inches high. Another exotic I want to know, which James says they call <u>mutinony</u> here. I never saw the flower. He says it is of the 5th class. 1 order, monopetalous and the flower resembles an Ipomaea, but it is rather tubular with a cleft limb. Berries red, and remain after the leaves fall. It is a climbing, woody vine, and runs up 20 or 30 feet on hedges here. But it is not the Ampelopsis quinquefolia, so common here. I want to know these two very much, before our book goes by them. Let me know them, if you can find them out.

Yours

Rev. John Torrey.

Asa Gray

Dr. John Torrey.

Care of Wm Torrey Esqr.

New York.

TORREY CORRESPONDENCE
HERBA.
COLUMB.

Albany Feb.
Mon 6th. 1818

Albany. June 20th 1848

Dear friend,

Why do not you write lately? I expected a long scolding letter before this time about the Manual. I sent you 264 pages, stitched up, some time ago; now I send you the continuation to the 348th page.

I attend to all your remarks; though I do not adopt all your opinions. You say Mr. Le Conte has seen an Asclepias without the black stigma; therefore you would return it to the 5th class. If Mr. L. has such a plant, it was not an Asclepias. This circumstance ought certainly to decide the genus. But with all his known accuracy, I suspect he was deceived. Where could the stamen be imported? We must reject all analogy to place this in any class but the Gynandria.

BARNARD COLLEGE LIBRARY COLUMBIA UNIVERSITY

We have found the Arum dracontium here — also Fedia radiata, Senecio vulgaris, Potentilla canadensis, Menyanthes trifoliata, Eddy's Galium triflorum &c. Your ~~pinfoinum~~ herbarium, I have been looking with very much, both at New Haven, Hartford and Northampton. I am glad you have made a new species of it. I think it is vain to make it a pinfoinum.

I intend to have an alphabetical addenda. This will give me an opportunity to add and correct through the press, without the forbidding aspect of an enormous errata. I have many reflections to make, and I wish you to send me all you know; whether to add or to correct. If you ascertain any extraordinary localities, I want them also.

I hope you will come and see

us in a week or ten days, in order to advise about closing this thing. I have sent parts of the book to general folks to talk big about botany; and I find it will be well received in the country. Besides, it is calculated to give currency to the Grain, beyond any plan, which he has ever conceived of.

Will you come up next week? I live in the Colonie, No 82 North Market St. about 40 rods, south of the Patroon. You need not enquire — just walk on, until you see a large elm tree (the only one in this street) standing in front of a dilapidated Outlet, gambrel roof, brick house. Break in there, and you will find me. I wish you would come next week for many reasons.

Yrs

N. Eaton.

LIBRARY COLUMBIA UNIVERSITY

Thos Eaton
June 20. 1811

Doctr. John Torrey.
care of William Torrey Esqr.
New York.

Albany, Aug. 4th 1854

Dear Sir, I shall not have time to write fully to-day for the purpose of forwarding Dr. Torrey's second. I have left more than one hundred specimens of plants in our collection at Dr. D. Hunt's in Northampton. Most of these I calculate to go after them in my mineral box in about 25 days from this time. If you will call here on your return, I will give you maps of roads &c. If you should come to Albany that way, I will give you perhaps 3 times as much as you have now collected.

Dear James, I hope you may succeed in your enterprise. It is not to be supposed that original observations equal to those we obtain from your Father, can be made by us. But I had not meant to make allusion to some of your views I have considered before. But I had not meant to make allusion. For example, I took some steps at Milton last year, that I knew the Bible contradicted Darwin's theory. It is very difficult with many of such an author, to be certain of all facts, and still more difficult to correct the errors of others. But each individual better, it may be to correct the errors, which come directly under his notice, when he has leisure to do so in his observations.

I find I have omitted several things, and I suppose that I have omitted. But I have not time and I have not anything to write. Yours truly

Father and Son

very high-prized, I intend to make most of my pride & pleasure of it. Therefore think of my errors as you correct them, directly or indirectly, will not fail to profit me. But you must not forget that some of our New York belonging are often hasty and rude in their reproaches. Be patient with new things. I am not so in digestible to expect making to my order all the parts. It is making that part of the thing very intricate without an possible advantage. This desire for innovation is the curse of Western home. To prune it of every thing delicate is essential. If we intend the female part of our race to become a great critic, and this is all important to the end. You speak of the word "Shakes" as going to be, I am sure know to expect. It is Francis the bane of Western society, and if any thing gets there or from in Iron, we are fairly lost. Be very cautious, search for the main the genuine and specific cause of all the evil we find. A single word of this kind would do a country mischief. The New England girls are most, and I am in mental infancy unaffected delicacy.

Jos. Adams's daughter Charlotte is coming here the first of next month to spend a few weeks. If you happen here then, you will see what is worth knowing in girls; they are a kind of mental [illegible] I presume that on your [illegible]

which any boy might detect. But you
will consider — I was obliged to have all the
documents found before me, through the
which. Pursh, Michaux, Torrey, Shepherd
Nuttall & Beck, Bigelow, Torrey, Gray
Nuttall & Lett, the Derbyshire list of plants,
Nuttall's list, my own journals and remarks
and Torrey's figures which I took along
them. Putting aside for my own
specimens, Strangely, another more plant
the number of species which contains
the genus, from the time that Smith falls in
with it. All were always spread before me
Lett, and remarks, and to select from Ives and Bigelow
Beck, I was, with the exception of
but a few of most of blended among
am I not especially? I had no Elliott's
but I had interviews with my
had important, stating the plants which
Elliott's in his first fine letter.

You see my remarks respecting your catalogue
and Ives. But Ives is such a slippery fellow
I fear his will not come from, though he
promises it will appear in a few weeks.

What is this plant? I had labelled
it Florida Pr. (Carlina florida Nutt.) But
on opening it I find a capitulum and a
stem with nothing like a petal, a mere
and 3 stamens. I have tried to make it fit
thing and succeed in nothing. I have taken this plant
Florida, and found it as I found it.

Under Instructions begin per Ry. Bd. [illegible]
5 flow [illegible] 1 and 2 flowers and [illegible] capable of
being [illegible]

What form is this? I found several of similar ones. But is it still a lichen?

Dr. Geo. Engelmann
Dear Sir
Yours very
[illegible]

TORREY BOTANICAL CLUB LIBRARY
COLUMBIA UNIVERSITY

Amos Eaton
Aug.t 4. 1818

I have had up a box for Books and
[illegible] for the same
Books for [illegible] will be sent to Albany

Albany, Aug. 10th 1858

Dr. Gray

Yr letter just received & I shall comply to send to Swards, and sent a leg cut for you. I received Dr. Torrey's letter, & drawn satisfaction in Wallisnieria spiralis. I sent you the last to prove to you, that our Wallisnieria is the spiralis. Gentlemen are now growing the, some with the particular scape 5 or 6 feet long, carrying spiral.

You and G. James will be obliged to give up your Monotropa pruina. It is the Pterospora andromedea of Nuttall. It is now in flower.

I am just going to Troy. I look time to write a word that you may call at Swards! You must make our book fat. We sent them a dozen to Swards, by way of trial. Next Saturday I set out on my great eastern circuit. You could not do better than go with me. I go with a two-horse wagon. I shall map all those interesting primitive mosses in Massachusetts — go to the White Mountains, Northfield, Boston, Deerfield &c.

Yours, Asa Gray

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.
TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Doctor John Torrey

Care of Wm Torrey Esqr

New York

TORREY CORRESPONDENCE
HERBA
COLUMBIA UNIVERSITY

Albany Octo
Aug^t 10th 1815

New York (Sunday evening) Sep. 13th 1868.

Dear friend,

I have now brought home all my weeds and stones. If you will now come to Albany, you may tumble them all over and take such as you please.

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY

I am now jawing the Trojans on Geology &c. I go up three nights each week. I expect to begin with the same humbug here soon. I am now at Albany every day, and can conveniently quarrel with you about minerals and plants for six days in succession, whenever you please. In six weeks, I think I shall lecture in some of the more distant villages. Come now. ~~Edwin Jones~~ Edwin Jones has gone to Vermont. But I have his plants in charge and you may see all of them &c.

I want you to show me how to perform some chemical experiments, which I could not succeed in last winter. You know I am a peddling chemist among other things.

If you do not come by the next boat after receiving this, do not neglect to write. What has become of your catalogue? Will the Lyceum be anything? Dr. Moses Hale of Troy has, a collection of plants, collected and named in the old way, by J. J. Rousseau himself. It was given him by Rousseau's nephew, who died at Hale's house. He proposed to give it to the Lyceum. What a queer old doctor (I have forgotten his name) Hale was, the Lyceum was a big-city thing, and would never be anything,

with notice. This discouraged Hale. But perhaps he will present it notwithstanding.

Last week we found coal and bituminous shale in small masses, one mile from Troy. I believe I have found a mine of Manganese in Berkshire Co. Mass. Perhaps not.

Write quickly.

A Eaton.

Dr. J. Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Amos Eaton
Sept. 13th 1818

Dr. John Torrey
New York
Care of William Torrey Esqr.

Albany. Sep. 29th 1818.

Dear Sir,

I have rec'd your packages and letter. With respect to the one not directed, I shall first see whether there are any specimens of Mosses, which I have not. Then give it to Edwin, because he will get the useful as a naturalist. Tracy will do a little, and is a fine fellow; Edwin is great and good.

This is the same Arranging which we found at New Haven. Dr. McBride named it for me, from recollection.

I send your two packages to our Br. Beck, brother to the Chancellor Beck. Tomorrow I will send one to Br. Robbins of Troy. He and Dr. Amasa Robbins are one. If you propose Dr. Eli Burritt and Dr. Moses Hale, both of Troy, as corresponding members of the Lyceum, you will receive a valuable acquisition in talents and zeal. I will be answerable to you for the immediate payment of their fees, as soon as they receive diplomas. Why do you not elect Dr David Hunt of Northampton? He would be more benefit to the Society than scores of common stuff.

I will propose your offer to Webster &

Skinner, tomorrow. I do not know how to predict respecting them. They think Beck and I know every thing. I will get Beck to recommend the measure.

About going to the Pacific. Certainly Jo. I would go, without pay, if I could get now, if I had no family.

I will send you nothing yet. Because I have made up my mind that you shall come to Albany. Your expenses shall be nothing, while you stay at Albany. Remember No. 82 North Market St.

This evening I begin my geological course here. I have 6 clergymen on my subscription list. I must talk geology to you before you see Rocky Mt. Mr. Olney is wrong in some things. I wish you to understand my Geological views thoroughly, before you get out. I tell you — Have a little! But I tell you — Yes, I will go through it — I tell you I am the best practical geologist in the United States!!!!!!!!!!!!

In haste and with a burned hand, which will hardly write

A. Eaton

Dr J. Coney.

Names of persons for you to give those, for whose fees I will be answerable.

David Hunt. M. D. Northampton Mass.
Eli Burritt. M. D. Troy.
Moses Hale, M. D. Troy.
Amatus Robbins. Physician. Troy.

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Four better fellows never were admitted into any society. A. E.

Doctr John Torrey.
Care of Wm Torrey. Esqr
New York.

COLUMBIA UNIVERSITY

Albany Feb.
Sept. 29th 1818

Albany. Nov. 3. 1818 —

Dear friend,

Dr. Forman called on me yesterday. I had not received the catalogue. But, we now journeyed it, after being set upon the track. We had an interview with Dr. P.K. Rock last evening. He proposed your publication to the Websters and Skinners. This morning they informed me, they would print your catalogue immediately — it being understood, that it shall be published under the direction of the Lyceum. The Websters do not enter upon it reluctantly. The truth is, they are good, spirited fellows, and are thoroughly inclined to promote Science.

TRUSTEES CORRESPONDENCE HERE COLUMBIA UNIVERSITY.

They are not sure, that you can be accommodated with a proof; but Mr. Skinner says, you shall have the proof of the first form at least and perhaps of the whole. They wish for the whole copy or as soon as possible. It would be well to let the whole business pass through all the forms at the Lyceum. This will have an effect upon

the country, which Yankees are not aware of. The Webster & Skinner wish to announce the publication in their paper. You must send up a form for publication immediately, with all the copy prepared. Any thing sent to the Webster & Skinner will be attended to, and always, answer safe.

I am to go on a mineralogical expedition in search of minerals for the new society at Troy, and for several individuals. Your proposal for spending the winter with Silliman is an excellent one. But before going there, you ought to travel among the the New England rocks and mountains with me. Next week, on Wednesday, I shall leave Albany on the following open in a three-horse waggon, covered, and you can go with me at the expense of about 50 cents per day, for 14 days.

Journal in anticipation.

— Wednesday 11th Go to Chatham Col. Co. 15 miles east of Hudson —

— Thursday 12th By way of West Stockbridge to Salisbury miles.

— Friday 13th To Pawling-town, at the southeast corner of Dutchess county.

Saturday - 14th - By way of Litchfield in Connecticut to Farmington.

Sunday - 15th - To ~~Windsor~~ Hebron.

Monday - 16th - ~~By Middletown to Hartford~~ to Old Lebanon.

Tuesday - 17th - to Ashford.

Wednesday 18th - By Stonebridge to Brimfield.

Thursday 19th - Go to Monson and return to Brimfield - give a lecture to my old students.

Friday. 20th - Take Charlotte Eaton into the wagon and go to Belchertown.

Saturday. 21st - Go to Deerfield - Stay here over Sunday.

Monday. 22d - Go to Plainfield.

Tuesday - 23d - Go to Williams College - Stay here till Thursday - Give one lecture to my old students in Geology, in the Chapel.

Thursday 24th - Go to Albany.

Go with me thus much and I will give you a hope to the Rocky Mts.

Amos Eaton.

D. G. Forry.

OBERLIN CORRESPONDENCE

Dr. John Torrey.

Care of Wm Torrey Esqr.
New York.

James Eaton
Albany Jan. 1818.

Albany. Nov. 13th 1818.

Dear friend,

I will write a word or two, but not with the postage. At 3 o'clock tomorrow morning I go. You speak not I told about my plants, if you find you are compelled to gather them on the run. You will never be able to convince of the force of business, which I am obliged to attend to.

Dewey is just as persevering and accomplished as you suggest. Ives is precisely in character in his management with you. He is a clever fellow, but is forever beginning and never does anything. He intends to do what he promises; for he is always sincere. But Remsen did perform an [illegible] unless he was urged at the [illegible]

You ~~mistake~~ your interest [illegible] not going with me. But you may [illegible] the fruits of my journey as far as specimens will compare it. But I have always expected to have you come here and select for yourself.

TORREY COLLECTION OF BOTANICAL LIBRARY COLUMBIA UNIVERSITY

I have just seen five pages of your catalogue in type; but there is no proof yet. Beck will correct it, and then it will be sent to you.

I think with you, that Whitlow is of no use to botany. At first I was and I supposed the exhibition of his plates might excite a taste for botany. But I have satisfied my mind, that it is harder to get a class for him having been in a village or city. Botanists often encourage him (I among the rest) which induces a belief, that we have no teacher in botany. Whereas it is at best but a Jenrivian caricature of botany.

I succeeded in finding fibrous sulphate of strontian in Schoharie county. I will send you specimens with some when I come. The Troy folks call this

society The Troy Lyceum of Natural History. I suggested to them the plan of forming branches to the N. York Lyceum for the purpose of exchanging and loaning specimens, communicating facts, discoveries &c. I propose such a thing might be made highly useful to the societies and to Science. The president is Dickinson president of the Farmers bank. I wish you were snugly married to his daughter. She is a good girl, only child of her father with 150 thousand dollars. And she has an exalted opinion of you, at least of your name; I cannot say what effect your personal presence might have upon her. Dickinson is a great scholar and a good fellow.

Yr. Ever

A. Gray.

GRAY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Boletus
lucidus
Curt. Fl. Lond.
2. t. 224.

Polygonum amphibium
Curt. Fl. Lond. 2. t. 223.

folii basi subcordata

Sutton has omitted
the genus Lycopis

6-8 petali
fol. lanceol.
Pan. pyramid.
nutrillatus

Solo plantae [illegible]

Dr. John Torrey.
Care of William Torrey Esq.
New York.

James Eaton
Aug. 13th 1818

Albany, Dec. 27th 1818.

Dear Jane,

For some account of my journey, I refer you to Dr. Ferguson. I may add fragments occasionally. As for news things, we countrymen never succeed in the acquisition of that kind of glory. Though I am sometimes inclined to consider that floating polygamous new. I intend to send you more fair specimen of it and quarrel with you some about it. We will call it P. matans when we refer to it, until the business is settled.

If you should finally conclude not to go to the Pacific, why cannot Edwin go? By the bye, that he may be offended with you &c. Now I tell you, that you know nothing of Edwin. To begin, he is the [illegible] noble that ever formed. Liberal beyond definition, noble in all his feelings, beyond all parallel, precisely his length and breadth of every thing great and good. He has been twice to Vermont, and once over the Catskill, this season. He is sound at P. that we expect him here in a few weeks. Gov. Clinton would interest himself in behalf of Edwin, if you should think he would be successful.

You may write to Mrs. White. I know that a correspondence with you would be very acceptable to her. She has learned to be a good fellow, by being so long acquainted with the Whites. She has been H.'s assistant at Deerfield and every three years. H. has now resigned his place

JOBREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

and entered upon the study of Divinity in Deerfield, and Miss W. has returned to her home at Amherst.

I wish you would send me all the notes you find in my Manual, as well as all the materials for the Dictionary. I wish to make a considerable Addenda & Corrigenda at the end of your catalogue, for my Manual.

With respect to books to the N.Y. Lyceum I am still of the opinion, that it would be for the interest of the Lyceum and of Science. But perhaps I might differ with you respecting the manner and extent of the union. It would probably require more ceremony &c. in the establishment of a new branch; and would require that a certain proportion of the members of the branch should be members of the N.Y. L. &c.

Jan. 4th 1819.

Every thing has intervened, which can be named, to prevent my finishing my letter till now. The Troy folks called for their specimens, Dr. Steel of Saratoga called on me to name his works for him, which he intends to add to his analysis &c. &c. &c.

When Dr. Low sent some small lots of Phosphate to Dr. Mitchill [See note to the Min. Mineralogy, page 7 who analyzed it] I have no doubt of its being Sol. stentia, but Silliman says, he suspects it to be bonyte. If it is, it is certainly a new variety. I never attempted any analysis. I found that the specific gravity, hardness

colour and texture agreed with Dr Mitchill's name; therefore I left it so. Will you analyze some of that, which Pomeroy sent to the Lyceum, and send me the result immediately. Though I am by no means responsible for the error if it is hereafter; yet I shall be, if hereafter I am not correct, since it has been questioned. Do attend to it immediately and be very accurate and careful. I wish, if possible, you could send me the result, in season to be laid before the Troy Lyceum on the evening of Monday the 11th inst. Let me have it as soon as possible at any rate.

I believe I shall not leave Albany two or three weeks. Webster's say, if they need me send you the proofs, your catalogue could be finished immediately; but they have not enough of that type to keep more than two forms set up. If Beck and I had a few additional explanations with what you have already given, there would be no need of waiting for you to return the proofs. You might make the few essential corrections for the errata.

I am now preparing a missionary, of the name Levi Parsons, for examining the geology of Jerusalem. He and another missionary are to reside permanently in Jerusalem. He says, he will follow my directions minutely, and make as accurate with the geology of Syria as far as military, as we may be with Mt Holy England.

Your friend
Thomas Eaton

Dr John Torrey.

Dr. John Torrey.

Care of William Torrey, Esq.

New York.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIV.

Albany Oct.
Oct. 28th 1818

Albany. Feb. 20th 1819

Dear friend,

I send you a Gazette, that you may know what I am about [See the beginning of the 3d page]

I concluded to remain here for several reasons.

1st A considerable proportion of the Senators and Representatives have subscribed; so that it will be a tolerably profitable course.

2d I have a good opportunity to spread a taste for Science; as I shall now have students in most of the counties in the state.

3d I shall now have collectors of natural substances spread over most of the state.

4th I shall ~~[illegible]~~ cultivate the friendship of many influential men.

TORREY CORRESPONDENCE
HERBA
COLUMBIA UNIVERSITY.

According to your statement of the 16th inst. the Mississippi expedition is to be on a liberal footing — Probably the naturalists are to be considered like private soldiers to fight for the honor of Maj. Long. I presume they will receive a compliment like this — "I acknowledge myself somewhat indebted to several gentlemen, who assisted me in picking up weeds and stones, "and in catching bugs." It is exactly in character. I was astonished that politicians should be so liberal as you at first represented. No, go not one step with them upon any such disgraceful illiberal terms.

I am very glad you are engaged in analyzing the Stronticn, Baryte, Schorlite, or whatever it may turn out to be. I am glad you intend to publish it in Silliman's journal. I hope you have seen the history of it, as published in Webster's Gazette, and reprinted in some of the N. York papers last November. The account in the Monthly Magazine by Pomeroy is very imperfect.

I should have given you some particulars of my journey had not the Troy Lyceum passed a resolution to publish extracts from my letters, written on the journey, to their Corresponding Secretary.

I will say a little about your correspondents, which you intend to encourage &c. Dewey will be a good and faithful one. And after Williams College is removed to Northampton, his consequence in the Scientific world will be greatly increased. I know little of Lewis Beck; but J. R. Beck, though a pretty good fellow, is too much given to puffing. He expects to make much of a few extracts and borrowed materials, respecting Albion, which he is now reading in a series of essays before the Society of Arts. This made me sick, but as he is a friend to me, & Dewey &c. I will swallow it as well as I can. Tracy is clever and will act an under part very well; but is deficient in ballast and cargo. Edwin James is every thing great and noble; but the rascal hates writing letters. I was never with Edwin an hour without receiving a new thought. Hitchcock is persevering and a good fellow. His advantages have been very limited; and he is wrong-headed whenever he is set go, by a misinterpreted hint from Silliman. On the whole he is too juvenile in all his views, for a naturalist. Dana is an excellent fellow. But you must be face to face with him. He will never do any thing he promises. But he will have fifty projects and ramble over all the world with you, and do all he can with the best motives, until you are out of sight. Dr Robbins of Troy is minutely accurate, persevering and good. Dr Wale is a fine fellow to visit; but will never write a letter.

I wish I could see your Cooper, and several others of your corps. What has become of Stephen Rice?

You say you offered the Troy Lyceum some more papers from

Europe, but I have never told you whether they would be acceptable. I suppose you consider all your dreams as realities. You certainly never wrote me that you had ever heard of an European prof. I can assure you, they would be very thankfully received.

As soon as the river opens, you must come to Albany and go with me to Troy. From the time you set your foot on the Steam-boat dock, until you embark from the same for home, you will not expend a cent. Therefore you cannot plead expense. I do not know, that I shall remain here after the 1st of May. The Troy folks are pressing me hard to remove to that town. I am also urged hard to remove to Utica and to Northampton. But I may remain here after all. I can obtain a decent support any where by my present occupation, and it is not an unpleasant course of life. Still I should prefer a more permanent establishment. I do not know a person in the world, but myself, who would become a successful scientific pedlar. I have learned to act in just a polymorphous character, that I am, to the men of science a unionist, to ladies a clever schoolmaster, to old women a wizard, to blackguards and boys a show-man and to sage legislators a very knowing man.

I am certainly, however,

your sincerely devoted friend,

Amos Eaton.

Dr John Torrey.

Excuse me to Dr Torrey for not answering his last letter. I am sorely pressed with three lectures each week to the State Teachers.

Dr. John Torrey

Care of William Torrey Esq.

New York.

Albany Feby. 20th 1819

Albany, March 25th 1819

Dear friend,

I received a letter in your hand writing, without date or signature, about a week ago.

Edwin James made a latin and an English index to your catalogue. But Skinner (who conducts the printing) was taken sick, and every thing was thrown into confusion. The proof of the index was most horrible. But Edwin James and Charlotte Eaton compared the [illegible] with the names in the catalogue, and I believe it is now well corrected.

TORREY CORRESPONDENCE
HERBA
COLUMBIA UNIVERSITY

We take the liberty to laugh at you now, on reading your letter of last summer, censuring me for the typographical errors in my Manual. I corrected about thirty errors, which you had overlooked, in your preface and last sheet of the catalogue. I have corrected more than one hundred errors in the whole catalogue after you and Beck had looked over the last proof.

I know how far Dillman has examined the Shoharie. And I know his analysis, hitherto made, is not to be depended on, for want of that leisure which the case requires. I know he intended to

to analyze it minutely; but I preferred your doing it. Therefore I wrote him, that you would furnish him with a minute analysis. He said, in his answer to my letter, that he should be much pleased at receiving it from you for publication in his Journal — he certainly expects it. I really wish you would do it, because it is at least a new variety, if nothing more.

You know, without telling, that I should like such a situation, as you mention, at the Botanic garden. And you are right in supposing me better qualified for this, than for any other employment. I worked on a farm two summers, I superintended the cultivation of 1200 acres for five years, and I know all about theoretical and practical agriculture as it is understood at this day. But you and I know, that I could never obtain such a situation. It would certainly be given to some boasting ignorant foreigner, as all things of this kind are in every part of the United States, New England excepted. I can procure any certificate of recommendation from 50 or 60 respectable members of the

Legislature however.

I send you the Gazette you required. The mineral in question is certainly an ~~excellent~~ substitute for lime in cases where a high heat is required.

I will take pains to aid you in the collection of papers. I wish you had all my hay. I fear some you would find something need among it.

I have given Webster & Skinner all your list of errors and added four to the list.

Two of the Canal Commissioners ought to be added to your list of correspondents. Myron Holley and ~~Jas.~~ John Young. Holley was my class-mate in college. A better fellow is not the sun shines. John Young is now my lecturer. Young is a Senator as well as commissioner. He is very zealous in the cause of Natural History, and has picked up considerable knowledge of minerals.

I believe I have blundered upon a new test for lime in mineral waters. It is merely a solution of indigo (made in sul. acid in the common way) with the addition minute of lime. I will let you hear from it again, after further trials.

Yours A. Eaton.

Dr. John Torrey.

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Dr. John Torrey.

Care of William Torrey, Esq.

New York.

Albany Feb.

March 25. 1819

Troy. May. 11th 1819.

Some how I missed sending this letter and forgot it, until today. I have given four lectures in my new course on Botany here.

I wanted Pursh so much, that I borrowed Beck's and had both volumes hammered close and bound in one volume with your Catalogue — labelled or lettered, Pursh & Torrey's Catalogue. I must buy another Pursh with plates not colored, for Bert. You once wrote, that probably you might exchange my Indexes for Pursh. How did you ever succeed in that traffic? For how much can I buy Pursh? and where?

Dr Torrey can tell you my proposed jaunt with Chancellor Lansing, &c.

If you do not go to Europe, when will you be at Troy? If you do go to Europe, when will you return?

AB.

AS many persons, though liberally educated, have not made themselves acquainted with those modern sciences, in some of which I propose giving a course of instruction at the subjoined opinions of gentlemen, where I have been employed, may not be unacceptable.

Respectfully,

AMOS EATON.

*Williams College*, Sep. 1, 1817.

TO ALL WHOM IT MAY CONCERN.

Mr. *Amos Eaton* came here last March with a recommendation from Professor Mitchell of New-York, representing him to be competent to give instruction in Mineralogy, Botany and Zoology—Also with recommendations from Professors Silliman and Ives of Yale-College, stating that he had spent a year with them, and that they considered him qualified to teach elementary and practical Mineralogy and Botany. He was patronized here by the Faculty of this College, and has given a course of Lectures on Mineralogy and Botany to the entire satisfaction of the faculty and class.

From the above recommendations, and from our knowledge of his assiduity, perseverance and scientific acquirements, we feel authorized to recommend him to the Trustees and Instructors of Colleges and Public Schools, as well as to private gentlemen, who may be disposed to patronize the study of Natural History.

ZEPH. SWIFT MOORE, *President of Williams College.*
CHESTER DEWEY, *Prof of Math. and Nat. Phil.*
EBENEZER KELLOGG, *Professor of Languages.*

*Northampton*, Mass. Nov. 24, 1817.

TO ALL WHOM IT MAY CONCERN.

ON the recommendation of the President and Faculty of Williams College, together with that of Professors Silliman and Ives of Yale-College, &c. Mr. *Amos Eaton* was employed in this town to deliver a course of Lectures on Botany; and also a course of evening lectures on the elements of Chemistry, Mineralogy and Geology. He has now closed his course, to the entire satisfaction of his employers, and, we think, much to the advantage of his pupils.

As his class consisted chiefly of Ladies, and as those branches of learning have not hitherto generally engaged the attention of that sex; we take the liberty to state, that from this experiment we feel authorized to recommend these branches as a very useful part of female education.

CALEB STRONG,
[*Late Governor of the state of Massachusetts.*]
SOLOMON WILLIAMS,
[*Pastor of the Presbyterian Church in Northampton.*]
EBENEZER HUNT, [M. D]
DAVID HUNT, [M. D.]
JOSIAH DWIGHT, [Esq]
ELIJAH H. MILLS,
[*Representative in Congress.*]

*Troy, November* 9, 1818.

TO ALL WHOM IT MAY CONCERN.

BY the unanimous vote of the Troy Lyceum of Natural History, I am authorised to certify, that Mr. *Amos Eaton* has delivered a course of Lectures in the city of Troy on Botany, and a course on Geology and the Elements of Chemistry, commencing in the month of May last, and closing in the month of October; and that he performed the duties of Lecturer in those departments to the satisfaction of his hearers.

I am further directed by the Society to recommend Mr. Eaton, as eminently worthy of the patronage of those who are desirous of promoting the study of the Natural Sciences; as well for his indefatigable zeal and industry, as for his skill in simplifying and illustrating the subjects on which he communicates instruction.

JOHN D. DICKINSON, *President of the Troy Lyceum of Natural History.*
R. O. K. BENNET, *Recording Secretary.*

*Albany, April* 12, 1819.

TO ALL WHOM IT MAY CONCERN.

WE certify that Mr. *Amos Eaton* was employed to give a course of Lectures on Chemistry and Geology, as applicable to Agriculture, at the Chambers of the Society of Arts in the Capitol, during the present session of the Legislature. We further certify, that he peformed the duties of experimental Lecturer to our entire satisfaction.

From this specimen of the application of science to Agriculture, we feel authorised to recommend these branches to the attention of all Agricultural Societies, as well as to private gentlemen.

John Tayler, Lieut. Governor of the State of New-York.
John V. N. Yates, Secretary of State.

Senators.
Samuel Young, Canal Commissioner.
Henry Seymour, Canal Commissioner.
David Evans,
Ephraim Hart,
P. G. Childs,
Henry Yates,
Henry I. Frey.

Representatives.
George Huntington,
John T. Irving,
Nicoll Fosdick,
George R. Davis,
William Billinghurst,
Isaac Sutherland,
James M'Call,
Abm. Gurnee,
D. M'Martin, jun.
Wm. Thompson,
Luther Guiteau, M. D.
S. Watkins, M. D.
David Tomlinson, M. D.
Stephen Warren.

Simeon De Witt, Surveyor General, and President of the Society of Arts, of the state of New-York.
Jonathan Eights, M. D. Recording Secretary of the Society of Arts.
T. Romeyn Beck, M. D. Principal of the Albany Academy, and Senior Counsellor of the Society of Arts.
John Lansing, jun. LL. D. former Chief Justice, and late Chancellor, of the State of New-York,
John Stearns, M. D. President of the New-York State Medical Society.
John De Witt, Pastor of 2d Reformed Dutch Church of Albany.
John Chester, Pastor of the 2d Presbyterian Church of Albany.
Myron Holley, Canal Commissioner.
George Clark, Proprietor of the Corry and Cherry-Valley Patents.

Albany. April 29th 1819.

Dear friend,

I have never been so overwhelmed with little entangling concerns as at present. Tomorrow I move to Troy — I have commenced another course there — I take several other classes in other towns — I am collecting bills, leaving Conchology & relics of Le Sueur, who is now here &c. &c.

I send you a printed thing, by which you will learn my mode of doing some things and my fitness.

ORREY CORRESPONDENCE
GRADUATE
COLUMBIA UNIVERSITY.

You said nothing of your Lyceum being started in your last. Talk about it in your next. The Troy Lyceum [illegible] do well, I believe.

I have not engaged but the Troy class. Though I have received about eight invitations from other places. I shall be let among them soon. I shall take classes along Connecticut or Hudson river. I spend every fifth week with each class.

I have at this moment no recollection of any new fact worth nothing, excepting that the State of Saratoga, in publishing the Geology of that county in the introduction to the 2d Ed. of his analysis of the mineral waters, it will be pretty accurate, and accompanied with a geological map. Yours

Amos Eaton.

Dr John Torrey.

care of Wm Torrey Esq

New York.

Stamp Cds

Albany 19 July

Troy, May 31st 1819.

Dear friend,

Last evening I returned from my tour to Blenheim (between 40 and 50 miles back of Catskill) with Chancellor Livingston. I found nothing but coarse rocks, yet I never made a more satisfactory excursion. Some of my most troublesome doubts were satisfactorily settled. I was employed by the Ch Chancellor ten days at $5 and expenses $1 day to settle the Geology of his township, Blenheim.

I have engaged to lecture on Botany 2/5 of the season till October, at Catskill and Hudson. I begin the 8th of June. I lecture here also, and perhaps at Waterford. When I returned Mrs Eaton and Charlotte E. had received and read two letters from you. This is a liberty they always take, and also to scold me severely for any supposed negligence on my part.

NORTH CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Our Calendar is intended merely for the purpose of aiding students in collecting plants, by giving them localities and teaching them what plants to search for during all parts of the season. We shall probably give a more naked list of names and localities, with the running date at the left hand. If you or any other botanist will give us a few important reflections upon particular plants, we will give them in marginal notes. It will be printed in 12mo form for the pocket.

As I calculate to publish a 2d Edition of the Index in a pocket form, you may throw what you into any bookstore, to be sold on commission. But I will not so exchange them as to subject them to be disposed at book-auctions. You may give away as many of them as you can to your, or my, advantage. My 2d Edition may be somewhat interesting to you. I shall be very headstrong in that; because I have no confidence in any geologist in the United States. If you would give me a written

discharge from all imputations of vanity, I would say, that I am now so familiar with the rocks of New England and all that part of the State of N. York, which lies to the north of the Highlands, that I am in no danger of erring in matters of fact. I have given time to Geology in the interior, mostly upon principles not well according with the views of our cabinet geologists, and I have hitherto seen no cause to regret it. In this I am sure of making you a convert, whenever I have an opportunity.

I believe, I will talk plain to Silliman about Rafinesque next to him. I will try to get Beck's Botany. I presume I called it a Lemna, if I ever saw it. I have no objection to Baldwin sneering at Nuttall, though I think N. is an accurate botanist. I hate illiberality in science. N. is certainly guilty of many mean acts.

We have not yet sent out for our cargo of the Schoharie. The Lyceum will soon send for one or two hundred pounds of it. I will see whether I can find some for you.

I began to answer your last letter first, because Charlotte has mislaid your previous letter. I have now waited an hour and she cannot find it. I will therefore see to it in my next. The pays the recollects you advised me to make the next edition of the Manual more classical. I might add a few things to make it a more servile imitation of those who are called classical. But it would defeat the very object of its being to introduce any more technical language than is absolutely necessary. I studied to avoid the

use of two terms of the same import; though it would have appeared more classical to have spared the reader, that I know a great number of hard words. The book is certainly more useful for expunging all the hardest and most unnecessary part of that forbidding terminology, at which so many students start back in terror. I think I shall change some specific names and give all the synonymes and authorities at the foot margin, in the manner of Beauvois, Ulmeralogy.

I found the Erontium aquaticum at Hudson in abundance; though I had never before seen it many miles from the sea-shore. It is the principal plant on the middle ground between Hudson and Albany. Did I ever tell you, that I found the Limnetis (floating) polystachia at Albany? I supposed, before, that this was exclusively a sea grass.

The mountains of Blenheim are literally covered with the Linnaea borealis, often for miles in extent. The thousands of Dracaena borealis growing there renewed the enquiry in my mind, whether this is the same plant as the Convallaria umbellata. The pedicels are not bracted and the keel of the leaf is never ciliate. The cilia on the margins of the leaves are always reversed. If you ever see a Convallaria umbellulata, I wish you would tell me something about it.

Yours, friend

Amos Eaton.

Dr. John Torrey.

care of William Torrey, Esq.

New York.

Albany Feby
Aug 31. 1819

On board the Chancellor, opposite Coxackie.
July 12th – 1819.

Dear friend,

I send you by Mr Jos Kent Bogs a little of the Schoharie. I found this by accident in an old chest, where my boys had kept a mock-cabinet. You know boys will ape their daddies. The Tory Legislature has not yet replenished their store. Sickness seized the people, "with joy unutterable."

If I had known, that your Yorkers thought stamotite just a wonderful thing, I would have sent you a bushel. I have seen ten miles of wall made of stamotite in mica-slate in Litchfield. Morgan, Brimfield, Westmore. are full of it. By the way Brimfield (Mass) is the best mineralogical region I ever know. If a puffing Yorker should see it, "the world would not contain the books" which would be written about it. I found adularia by tons there, molybdena, plumbago, arsenuret of cobalt, tincon &c. The most perfect crystals of tincon abound in the stone walls about Dr Lincoln's, barn yard. (Dr L. is brother in-law to Charlotte.) The varieties of rock strata are the most beautiful in Brimfield of any I ever found. I have been tumbling my

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Brimfield works about this morning, but I see no zircon. I am always robbed by the first that calls. How much do you want some zircon?

I must and will visit your Lyceum soon. After all your puffs and flummery, I believe we are better acquainted with geology there you are. And our Gray folks, I believe, know more American minerals than some of you. What a puffing would have been made over a locality of thousands of specimens on one hill, of a woody plant 30 feet high, so long overlooked as the Lonicera hirsuta, had a Yorker found it. Rafinesque would have made at least sixteen new genera out of the Eighteen Johnnies, had he first gone into the swamp 2 miles east of Williams College. You are pretty good ballast for these innovators, but even you are a little tainted with Rafinesquism.

I am far from being convinced yet, that you are right about the Ichthaiick. Not one of us is fairly committed in relation to that animal. E. James experimented upon it with his usual accuracy. He produced the red flame distinctly from one of its teeth. I certainly produced it from both mucous

nitrate. But I am willing to say, it is possible that my faith were misplaced and that the flame was on of simple alcohol, if such a concession is necessary. With respect to the spec. grav. I have found it under 3.5 and over 4.5 — Not one half of you know how to take the spec. grav. The thread by which you suspend it often deceives you. Cut a small neck on a corner of the specimen and tie a hair around it. Then let it sink several times so as barely to cover the corner. Let us just consider a case. The thread shall buoy up two grains. In air the specimen weighed 80, in water its true weight is 10. The spec. grav. would be about 1.14+ But if two grains are supported by the thread the spec. grav. would be 1.111+ I find my European specimens of baryta and strontian both [illegible] that given in books — also my American specimen of baryta from Southampton. That from the little falls agrees tolerably well. However I have not had time to do the subject justice.

I am now on my way to Hudson. I remain in Hudson two weeks — then I am at Troy & Waterford three weeks. So I go on till October. Tell Dr. Torrey, that I received his letter, directed to the care of the Mayor of Hudson. I will write him when any thing new occurs.

I wish you could send the Troy Lycoris some of your Jungermannias, mentioned in your catalogue. We will send you any thing we have, that you want. We have two species of Lycoris, the amphibium & peloria.

Yours Eaton.

I have sent you a box & [illegible]

Doct. John Torrey.

Princeton.
New York.

Moses Kent, Esq. / To be left with Dr. Mitchell
or with Dr. S. Townsend.

Albany Gazette
Aug 12th 1819

Hudson July 20th 1849 — 6 o'clock A.M.

Dear friend, I have just received your, dated 13th inst & post-marked 17th. You say you must have specimens in two or three days; that is, one or two days before your letter went to the Post-office. Still I believe you were not born in Ireland.

Now as I do not believe any thing you say as to time, I will go out, as soon as I finish breakfast, to Becraft's Mt. two miles east of Hudson and pick up all the organic relics I can find, and send them by the next boat. As to the Orania Elephantopitis, it grows no where in this district except in a pond 5 miles south of Troy. As I shall not go home on the next Sunday, you can not depend on me. If you can wait for the following, through you may get it. Write to Dr. Marvin Troy (N.Y.) and tell him you are informed that it is in a pond 7 miles east of Troy; that it is the white-flowered Orchis &c. He will send it as soon as it can be procured.

You have several times enquired about our Teacher, though I believe I told you all about it. I will tell you again. It is among the notions of the Troy folks, and I side with the lady, to make botany a part of common-school learning in the summer season. We intend to have our female teacher teach it. And we think it would sit them prettily to have a little book, which

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

would cost two shillings or a pistareen, headed with the name of each month with a column of the days on the left, and leaving the names of all plants, which they are to expect to find in flower, set against the respective days. We do every thing after experience has commended its necessity; and such a book has become almost indispensable.

You see we do not calculate to push the sciences abroad, but we intend to make for ourselves scientific companions. We study to bring down the Leviathan to the level of lapdogs, and to persuade our girls and boys, to throw away lapdogs and whistles and to adopt the ploughing of Mitchill, Torrey, Townsend, Knowlt, Pirne, Mr Nevan, Schaeffer, Cooper & as pleasantly. I think I shall prefix to the little book some simple directions about teaching. We shall probably give a mere naked list of names and places of growth. This will leave room for a more extensive list, than was at first contemplated. We shall probably take in the N. York plants and all to the north, where we can be accurate about the place of growth and time of flowering. By place of growth I do not mean localities; I mean wet, dry, meadows, pastures &c so that students may know when and where they are to expect to find a plant — or rather, what plant they ought to look for to-day, & in what situations they are to expect to find it.

Now I am going down to breakfast — then after minerals.

July 21st

I returned about ten minutes to late yesterday for the boat. A Mr Todd, I believe, is going to-day. I wish I could have time to collect more for you this morning — perhaps I may. I am going out, and if return soon enough I will send you what I find. If you know the two Rhacinus (they are the same) marked unknown, I wish you would mention it in your next. I did not show it to Dr Sartwell. All the rest are right according to Martin & Le Conte.

We are endeavoring to make up a party of Hudson girls and boys to go up to the lakes on Catskill Mt on a botanizing expedition. Perhaps we shall not go. I went up five weeks ago. The Sorbus, Linnaea, Dracaena &c were finely in flower.

Next Sunday I go home and remain in Troy all the nights of three weeks, but I lecture at Waterford (4 miles from Troy) every other day.

We have a potomogeton here and at Albany which wants Rafinesquing or correcting in some way. We have called it compressum; but the stem is hardly compressed and the spike has more flowers than are allowed to it.

Yours

For Mr. Todd.

Dr. John Torrey
At Alderman Torrey's
New York.

To be left at the
Dr. Mitchill or Dr. P. S. Townsend.

Albany Oxford
July 20th. 1819.
Recd. July 26th

Hudson. July 24th 1819.

Dear friend,

I send you this plant by Mr. Coddington, because I can. What is it? I find it in lakes &c.

I return to Troy tomorrow. What if I should convince you that I have discovered a new Sparganium? I discovered it last summer & made round to make it the native. Yesterday I was at the lakes on the Catskill Mt ~~yesterday~~ and found the true natives. ~~Now~~ I know that the Troy species is neither native, simply, nor, &c. nor any thing which

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HERBARIUM
COLUMBIA UNIVERSITY

in which to the Northern States. I will
give you some account from Troy.
I shall now remain in Troy three
weeks.

I saw thousands of Rafts
Rushing down the lake.
O fool! Do you want the lim-
ber boards in place?

Mr. Cadwallader will write
more large.

Hurlbut.

Dr. John Torrey,
New York.
To the care of Dr. Mitchill,
Care of Mr. Coddington.

Thomas Eaton
Albany Aug. 27th 1819
Recd July 30th

Troy, Aug. 14th 1819.

Dear friend,

You may recollect having received a Helianthus from E. James, which you wrote him, seemed not acquainted. We have just ascertained that it is the Helianthus laevis. Tracy first suggested the thought. I wonder we had not discovered this before. As this plant grows every where, and as it is not yet done in your catalogue, I presume you call it Helianthus frondosus.

We have found three specimens of the Campanula americana here. I hope to find plenty of them here; for one of our young ladies says she saw them last summer in great plenty near Lansingburgh. My boy, Dwight, found our specimens a mile below Troy.

I shall send you a Lecania, to see whether it is your oryzoide. It appears to me to agree with Pursh's lenticularis.

The plant, which you are inclined to call Fucus, was the one about which my enquiries were made. I put in the Sparganium after the letter was written. I knew it was native. I found the unknown plant at the bottom of the lake on Cattskill Mt. where the water was about four feet deep. There are cart-loads of it. I took it for some plant of the order Algae; perhaps a Jungermannia. I found the same plant in Springfield, Mass.

My new Sparganium I find described in Nuttall under his new species americanum.

Dewey says, you make a new species of my Oryzopsis, which I found at Williamstown. But E. James says it agrees very nearly with the Oryzopsis of Michaux. Ives and I made an Oryzopsis of a ~~plant~~ grass I send you now. What is it? It abounds at N. Hampton & New Haven.

I have a desire to correspond with the "Great men of Europe", if I could find a really good liberal fellow. But I find most of the scientific European men are selfish. I would not send a package, unless I could do the business justice. Perhaps I may indeed something next fall.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Edwin James is giving a course of Botanical lectures at Pittsfield, Mass. He dreads writing letters to a great fault. He esteems you above everyone; but he rarely writes to any one.

I believe that Cleveland solicits too many to aid him for his own interest. Because he will receive so much wretched stuff and will be obliged to dispose of it, so as not to give offence. I sent him one letter full of localities and he wants more.

By your letter I presume you know Silliman personally by this time. I can tell you the good and the bad of him in a few words. He is an excellent practical chemist and a good cabinet mineralogist. With very little knowledge of geology, he affects much. He is impatient when his opinions are questioned, and has very lofty conceptions attached to the pretendant title of Professor of Yale College; and affects as if he ever mindful of his honorable marriage into the family of Gov. Trumbull. Still he is a pretty good fellow, though quite too formal for a man of science. Eaves and Dana are precisely at antipodes with him.

We have several good fellows growing up among us here. George Marvin, Dr Barnett's partner, is becoming just as he should be. He is a native of Norwalk of Con. His father is very wealthy there. He was educated at Yale College — attended lectures at Philadelphia last winter, and is going there again next winter. A noble spirit, a fine mind and a most persevering naturalist. Now remember him and keep your eye upon him.

You did send me the Potamogeton from Pine Barrens; but you never send me Lonostyles, which you send Eddins. Next week I go to Hudson again. I will go to Becraft's Mt and get you some Pachitaria. I now find that plant figured in Dr Parkinson. How lucky I was to get old Parkinson, printed 180 years ago, with four thousand figures, for $5.50 1700 pages folio. It is excellent for the origin of names.

I rarely see Beck of Schenectady, this season.

I am not only prone to believe, but I absolutely disbelieve, in the Schoharie mineral being ~~[illegible]~~ sulphate of baryta, of the mineral of J. Hampton mine in Saratoga

I doubt its being pure Sul. Strontian however. I do not know what it is. I wish you to let ~~some~~ some person, whose trade has made him familiar with brazing pieces of iron together, use the Schoharie mineral, finely pulverized, as a flux instead of borax. Then let him use any acknowledged Sul. baryte, in a similar experiment. You will find the latter mineral will not answer the purpose; but the Schoharie mineral will, though it will require a little higher heat. I am inclined to ~~believe~~ conjecture, that the mineral may consist of Sul. baryte and Sul. Strontian combined, as Car. lime and Car. magnesia are combined in dolomite, from a few experiments I have made, though I have by no means come to a conclusion. Let me tell you one fact. Pieces dug out of the rock are always blue and of a specific gravity about equal to baryte. After being exposed to air, light, moisture &c. a while, the same mineral becomes almost white and of much lower specific gravity. Certainly nothing like this takes place in the Sul. baryte of Southampton, Hatfield or the Little falls. At the Little falls it is white at first and becomes reddish on exposure, without any change of specific gravity. If the Schoharie mineral contains no strontian, he must be more than mad, who believes it contains nothing different from the Sul. baryte of other localities. I do not believe it is simply either Sul. baryte or Sul. strontian. You wonder why I will not yield. If you should see tons of Sul. baryte of S. Hampton, Hatfield, Little falls &c. as I have, and then see a little wad of the Schoharie mineral, you would say, one would be as excusable for pronouncing quartz and chalk the same mineral, as he who should pronounce these the same. I know there is a difference among the varieties of many species. But I know of no case, where the difference is so great. I know I am not obstinate. I am extremely anxious for the truth in this case. I am not committed at all; for I never pretended to have fairly experimented upon it. I judged merely by external characters or

Dr. John Torrey

Recd from the Steam-Boat, 23rd augt. 1819.
by Mr Porter —

New York.

James Eaton
August 14th
1819
Recd Aug. 19th

N.B. I shall go to Albany on Thursday morning the 19th inst. & shall be at Albany 16th inst. & Troy the 17th & 18th & return to New York the 19th inst.

Monday 16th
Mr Porter
Mr Eaton

Steam-boat, Richmond Oct. 6th 1829.

Dear friend,

I did not receive your double letter until I received the last one, and I have neither until Sunday evening. Your letters furnish me with very important materials for correcting my little books on Botany and Geology. Charlotte E. is about to put them all together in a kind of book and to make me an index to them. She is going to Brimfield next week and will, if possible, collect considerable rings. She will return in about three weeks. Then she is to arrange and put my in real order, all her, and my, plants.

I shall close my course at Hudson about the 23d of this month. I have about one hundred pupils in Geology and Chemistry in Hudson. I feel strong in Geology; but really I cannot possibly find time to examine doubtful plants, particularly grasses, holidays and afters as I ought. Were I settled down in one place, I would be very accurate — it is what would please me much. I will tell you a secret because it was given me as such; though I think it a vision. Major Bailey (the commanding officer at the arsenal, and superintendant of the Northern States army, Vice Pres. of the Troy Lyceum &c) says, that the commanding officer at West Point, Thayer, intends to recommend me to fill the office of the professorship lately created there, of Natural

TORREY CORRESPONDENCE HERB. COLUMBIA UNIV.

History and Chemistry. I presume he ~~to~~ talks so.
But you know some foreigner would be appointed
of course. Besides Spencer, Pendleton and others would
oppose me. Thayer was apprised of this by Dalaby.
He said, it must be kept a secret, until the
business was over. I make no calculation upon
this at all. But you must keep it in con-
fidence. The best hope with which I could
flatter myself is, that you might possibly
obtain the place for yourself. This would be
next to getting it myself. Just keep an
eye open to that subject and your mouth
shut. As soon as you settle there, I will give
you Charlotte C. and thus bring under one roof
the two greatest geniuses of the age. Though such
fellows as you generally get fools for wives.

I believe I shall strike out a plan for a
new course of lectures at the Troy Lyceum, as
soon as I finish at Hudson. I mean Geography
to be taught Geologically. Where can I get
the best account of the geographical geology of
the eastern continent? Kirwan gives a great
many tabulations of rocks; but it is not sufficiently
extensive for my plan.

I wish you to send your cryptogamous
plants to the Troy Lyceum, to the care of
Dickinson. It will be more to your advan-

tage and about as much to mine. But if you do not send them before this month is out, send them to the care of the Vice President Major Dalaby; because Dickinson is going to Washington — he is member of Congress. His wife and daughter will go with him.

Write to me at Hudson next week.

By the way, I received no box or bundle from you for me. I received one for Denny with your double teeth. The package by Rudgeman I received — Denny has received his part of it.

I sent a few things to Gibbs, directly. I did not send to you; because of the ~~few~~ fewness thereof, and because one Folger said he could deliver it to him. I had not much to send however.

I paid the porter for carrying the package to Dr. Mitchill, which you regret not paying.

Edwin James has gone to Middlebury College Ver. where he was educated. The Faculty there intend, if possible, to get a professorship of Nat. Hist. & Chem. established there for Edwin.

Your friend,

Jno. G. Comly.

Anna Cutler

Dear John Forney.

Mr. Stone will please to leave this at Dr. Mitchill's at the house of Wm Young Esq.

Greenwich.
New York.

NEW YORK
7 OCT 20

Oct 20th 1819
Charles Stone

Troy. Nov. 5th 1819.

Dear friend,

I have so totally lost the course of our correspondence, that I do not know where to begin or what I have omitted. You will ascribe this to negligence. But you will find no perpetrator in that opinion in Troy, Hudson or Waterford. I will detain you with a line or two on my affairs. — From the first of May until the 23d of Oct. I never gave less than four lectures per week and oftener six or eight. I collected specimens continually, and met my labors then at every turn, and took work for expenditure in analyzing plants &c. I never wrote a lecture; but I prepared notes of heads, and procured specimens for illustrating the subjects upon which I lectured. I have lectured in the county towns of four counties in four successive days, and in the academy of a fifth county on the fifth day. The counties were Greene, Columbia, Albany, Rensselaer and Saratoga.

CORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I calculate to be at home nearly every night until next April. I may lecture in Albany and the neighboring towns. My plants are not all arranged yet. Charlotte has gone to Brimfield, not to return until the last of this month. She went with my brother, the Clergyman. When she returns, she will arrange our plants. I give her duplicates, when I have any. I let her divide the specimens which you sent me when they can possibly be divided. She has collected about fifty species with her own hands, in company with Miss M. Buel and others.

I have just gone through your catalogue and marked the plants, which I have not in my collection. But I have marked none of the grasses, Asters, Solidagos, nor cryptogamous plants beyond ferns; because I cannot depend on my own labelling. I do not ask you to send all these; but to send such as you suppose to have to spare. When convenient I should like large specimens or branching ones to divide with Charlotte C.

Salicornia
ambigua
Veronica
agrestis
hederaefolia
Gratiola
neglecta
Mimulus
fistulosa
Iris
versicolor
Lechea
thymifolia
Oenothera
biennis
Lythrum
vulgare
Diapensia
barbulata
Convolvulus
pandurates
Phlox
stolonea
Lonicera
grata
Hydrophyllum
niger [I do not know this plant, which you say is common]
Impatiens
fulva
Sabbatia [Chironia]
angularis
chloroides
paniculata
Gentianopsis
detonsa
Gentiana
ochroleuca
angustifolia
Lysimachia
virginicum
Apocynum
rigidum
Amsonia
tomentosa
Nerium
oleander
Asclepias
phytolacoides

I have given Hudson a pretty good account. Fanny Miss Hosmer, one of the most learned and accomplished girls in Hudson, had much to say to me one day about you; She had never seen you; but said a young lady from N. York of her acquaintance represented you as belonging to a superior order of beings &c. Many of our Troy girls talk of you in the same way. It makes me think of poor Franklin Ames' speech. When J. B. Ridley [a prisoner, I believe you know him] wrote an elegant little sonnet to his Anna, Frank said, if she was Ridley's Anna he should rather he should remain in prison and write sonnets for her. I do not mean to say that you have Ridley's handsome visage, or that you have not a face good enough; but the girls have already fell in love with your soul, I do not know what the sight of your person might break up the fascination. However you must come up and see Miss Mary Buel and Le. Eaton; for they are clamorous about you. By the way I threatened them with a complaint of the libertine they take. They examined all the last bundle of plants which you sent Benny, before I returned from Hudson.

I intend soon to publish a 2d ed. of my Geological Index with great additions and improvements. Can you lend me some useful hints? Can you obtain a few hints from Col. Gibbs? I thought of dedicating it to him, if I could obtain it to be a tolerable 12mo. I sent miserable little specimens to Col. Gibbs for I had no better. I sent them to let him know of the localities. I hope soon to get good specimens from Brimfield, I will then send some to you and to Lim — perhaps I may not get them yet.

I wish I had you with me through one course or part of a course of my lectures. You would resign all your delicacy about public speaking, after seeing me splash along in my rough manner and finding

Dr. John Torrey.

Care of Wm Torrey Esqr at Greenwich

New York

Amos Salem

Novr 5th 1819

Recd Nov 19th

Had this from Mrs. Mann
the most helpless wife
near mother in a state
we are still obliged to
detain your letter. I
shall not the matter
Yours truly
Amos Salem

Troy, Nov. 22. 1849.

Dear friend,

I never heard that Mr. Vernon was making a book. He wrote to me a very polite and urgent request, that I would send him the geology of that mineral. I vainly thought that you and Mr. N. were like Dickson, Robbins, Hubbard, and I — that is, that you received your requests, together and no one would deprecate the matter of this just done. You may rest assured I will never aid any mortal to your disadvantage knowingly. Perhaps I was rather too hasty, that I had not suspected something; or he wrote me he had analyzed the mineral minutely, and I believe I did think he intended to publish something; though I could not have dreamed of his doing you injustice.

You ought always to remember, exactly what I am good for, and never lose sight of it. I am a pre-eminent simplifier, or rather simplifyer. I can bring down the labors of the learned to the capacities of illiterate boys and girls as well as any one. I can even do pretty well as a lecturer before the learned. But I do not aspire at any thing original, excepting in the geology of this country. On this point I am vain of my industry and success. Every discovery of yours or others, which comes to my knowledge, I immediately communicate to others for their benefit as well as mine. I have the reputation of liberality with respect to the labors of others, and I know I deserve it. But you are never to expect much of that kind of regard, which will authorize me to say, "this is mine." I do not like to compared with any European, excepting the geologists. Here I feel strong and free only. I will send you any thing in my power to aid you in your correspondence there; and you may pin me on your sleeve when you think proper.

I will send you and Prof. Gibbs a few (for I have but a few) crystals of — what? I should say sulphate of strontia, if I was not afraid to — from Hog's Island in Lake Erie, two miles west of Put-in-Bay. W. A. Bird, a member of our Legislature found these crystals in a carbonate of lime rock — or rather a rock of shell-limestone. I begin to believe I never sent the Hippurites. I have generally called the Cabana N., and some other things.

BERKELEY CORRESPONDENCE
MERGANTHALER
LINOTYPE COMPANY

I do highly approve of your proposed Flora of the Northern States. I think you ought to give the essential character in Latin as well as English, that it may be current on the continent of Europe. Such a work would be purchased now if ready by about one tenth of all our pupils. At least that proportion now purchase Nuttall, Barton, Bigelow &c. for the sake of more enlarged descriptions than can ever be given in a School-book like the Manual. Besides there will always be one hundred ~~species~~ in every neighborhood, which require a description of some length.

I never made you a definite promise about plants. Now I will. C. C. shall lay out for you, whatever we have any reason to believe you want, as she goes through our collection. I suppose she will begin next week. I do not believe we have many which you want. I do not ask for all that long list of plants I sent you; but I supposed you wished to know what I had not, that you might send whatever should be convenient. Col. Gibbs must not expect that poor folks can collect just cart-loads of minerals as he does. If we furnish him with localities, proved by small specimens, this is about all he can expect. Perhaps I am in a mistake about the specimen. I will endeavor soon to procure and send what I call a perfect crystal.

As to insects I had my boys collect about two hundred species, which I hung in the garret struck on pins. When I returned from Hudson I found something dead eaten most of them. I wish you could see about one fifth Calendar. I really experience the want of just a book at every course of lectures. It ought to be contained in a 18mo in fine type. I think we shall confine it to time and habitat, chiefly. Have a running date on the left hand, and give some character for wet, dry, woods, open fields &c. The chief objects being to enable students, on any day, to know what to expect to find in flower and in what situation to look. I wish you could lend us your journal of plants. It would not be worth while to copy it. We would return it safely. We wish to set down the day of the month — perhaps we may divide it into weeks.

If you write any thing for Shultz I may give you a description or two. I rarely sit down to correct a description.

I will now give you one or two.

Cimicifuga serpentaria. Class XIII. Order I.

Calyx about 4-leaved, becoming colored before expanding, caducous: corol 0: stamens numerous: stigma sub-sessile, curving towards the gibbous side of the germ: capsule 2-valved, dehiscent at its ventral suture. Flowered late in July.

Note. This description I took from twenty or thirty specimens, which grew from 4 to 9 feet high, three miles below the city of Hudson and fifty rod from the east shore of Hudson's river.

Hydrophyllum virginicum. Has hairy leaves, in woods above Williams College and Troy; but the leaves are glabrous about Dr Adams' fields near Catskill.

Asparagus androgynifolius. The nectaries are not described correctly in any book I have seen. This was first pointed out by Judge Buel's wife, of Troy.

Heteranthera. ~~reniformis~~ Calyx, a spathe 2- or 3-flowered; corol membranaceous with a border 4-, rarely 6-, cleft; tube long: anthers, 2 attached to the divisions of the corol; and a third much larger, attached to the top of the style: capsules ovate, many-seeded: stigma sub-capitate, one-sided.

reniformis. leaves heart-reniform, long-petioled, glabrous, bearing the flowers on the sides of the petioles and clasping the peduncles with membranaceous wings.

Note. I took this description from twenty or thirty specimens, which grew in the mud between high- and low-water mark in South Bay adjoining Hudson city. Flowered Aug. 17. Whether this should be placed in the class Triandria or Gynandria, is a question.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Did you examine that plumbago looking moss, which I sent Col. Gibbs? What is it? Some of it are to be found in our gray-wacke districts in this county and in Blenheim &c.

Yours truly,
Amos Eaton

P.S. You will see some of our puffing in the Albany Cabinet-box of next Saturday or of the week after.

What has become of the American Geological Society? Who are the officers? What has become of Silliman's Journal of Science? We have seen nothing from, since the [illegible] number. How will I see Mr. Norris's Atoms? What has the Schoolcraft to do with it?

New York.

Amos Eaton

Nov. 22 & 26, 1819

Recd. Dec. 6th

Col.

Dr. John Torrey.

Nov. 26th

Since writing the within I have made a [illegible] of the Lake Erie mineral. The dry crystals pulverized and well as the solution in alcohol burns blood red, when put on a candlewick. Its specific gravity, with most pieces, is 3.85 — some are higher and some lower. As I know this to be sulphate of strontian, I have so stated in the Albany Daily Gazette.

Yrs. &c.

Note. Capt. Douglass of West Point was with William A. Bird, when the mineral was discovered. I think you might get a considerable quantity of him now; for he calls it barytes.

Troy. Feb. 27th (Sunday evening) 1820.

Dear friend,

You have just right to complain, that I have not by writing, acknowledged my obligation to you; though I am the greatest sufferer.

Since I returned from the Sem. I have given a pretty full course at my room on Chemistry and Geology. And have advanced a fortnight in my course in Natural Philosophy, including Astronomy with transparent paintings. I have something over 120 in my class, about 70 of whom are ladies.

This would not have occupied all my time; but I am preparing a 2d ed. of my Geology. It will reach 250 pages 12mo with two copper plates. I intend to make a good book of it. I believe I have more materials for it, than any other person. I have finished an elementary gramma of geology, which is, at least new, in plan and execution. It will fill about 60 pages. Printing will commence in about ten days, unless I visit you first. The river seems to be breaking up; and if it does, and vessels begin to run, I now think, I shall call and spend with you about geology for exactly six days. You know we can have many a ramble in that time. But if the weather is cold, so that you expect no Troy sloops, you must write me immediately.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Let me know every thing, which relates to geology. I take up each stratum and say all about it — also just name the included and disseminated minerals. ~~Promiscuous questions.~~

What is Shavingunk mountain? What is the red mineral from near Lake Champlain, which you said you were analyzing? I mean the one you said resembled jasper; though I should compare it to the red oxyd of Barium.

Has Col. Gibbs ever found any bismuth near Lake Champlain? We have received some from there, found in a creek. I analyzed four enough to detect the bismuth — I believe it is sulphuret; but I have not finished my analysis.

I have sent four times for the package of plants you sent ~~that~~ I have not got. Tomorrow a fellow is going to Albany, who will bring them up, if they are in town. I did not receive your letter till last Thursday.

I was urged very hard to lecture at the Capitol again. But I did not go, for a long train of reasons, which I have not room to write. Our bill for incorporating us here, has gone to its 2d reading. But the quarrels about New Hyp &c. keeps all back.

A fellow just handed me a well characterized specimen, taken from secondary sandstone near Genesee river. W. A. Bird will send you and Col. Gibbs more specimens. The specimens

when I return I will submit a book I finish this

you see about most come from West Point, for Capt. Douglass resides there, who was with Bird when he found it. Bird told him it was crystallized barytes, and this was ~~[illegible]~~ not corrected until they parted.

If your mineral is certainly new, before to call it Gibbsite. Gibbs will always be remembered in this country as the very father of correct American Mineralogy. There were some pretty good mineralogists before he began; but his cabinet fitted us all to work, hunting up our own minerals. Besides his own operations, you know, are unequalled. I intend to send him and you a printed copy of my Geology, before the title, preface or closing reflections are printed; in order to obtain your liberal auspices of Jonathan &c. If Gibbs should be pleased with the work, I intend to dedicate it to him.

Dickenson has written me about E. Jones appointment. I am very very very glad. Several of my dear come folks say, they will ~~[illegible]~~ bugs for you next summer.

If I go to N. J. I will carry my herbarium; but I believe I have very little, that you have not.

Charlotte E. has left us. She would have stayed next summer, had a very clever letter of a Domine William B. Sprague a Bachelor, who was a student of the Princeton Seminary, the minister of West Springfield, beseeched her and she him, to be taken her. She has gone home to prepare for the awful solemnities. She is very anxious to correspond with you. And you may rely on her industry in collecting the plants of Brimfield, Springfield &c. If you should direct to her, to the care of Rev. W. B. Sprague of West Springfield, all would be right and very acceptable. You may call her Charlotte Eaton, the young married next August or September. Yours Asa Gray.

P.S. Don't say a word about her to Dr. Torrey, for I will not bring the matter to a point, if I can help it. Mr. Hooker is very much concerned. Mr. Hooker will write you about your book — if the main will not bring it out, I think I can manage it. I have not time now.

Dr. John Torrey.

Care of Wm Torrey, Esqr.

New York.

Albany Colon
Aug 27 1820.
Rec'd Monck 3 P.M.

Troy. April 25th 1820.

Dear friend,

I have been engaged with my Geology, which I shall send you when it is finished, for several weeks. It is printed as far as 226 pages, all of which I have sent to Col. Gibbs, to the care of Mr. Wm Simmons, City Market. With the first package I sent the forms of two plans of a dedication; because I wish to dedicate it to him by permission. I mentioned you in my letter, as the medium through which I might receive his permission.

Now attend to this — I must set out on my travelling course next week. The book will be finished, excepting the title, preface &c. next Friday. You see I am pressed to narrow limits. Will you call on Col. Gibbs in one hour after receiving this, and then return home and answer me the same day by mail? I wrote him that I should request you to call on him,

CORRESPONDENCE HEADQUARTERS COLUMBIA UNIVERSITY.

in my letter of this morning, which goes with this. He has had full time to examine all the work, excepting the last 48 pages, which I send today.

When your book was printing at Albany, I found myself often obliged to take great liberties, which personating you. So do you now — keeping my reputation always in view. Then write to me invariably. You will receive this Friday morning. You can certainly return an answer by Saturday, steamboat mail, which I shall receive Sunday morning. Monday, then, my book will be finished, or Tuesday at farthest. I hope you will not let me wait one day. Col. Gibbs, they not see the last two forms; they are now setting the types for them, but he can form an opinion from what he has seen. I give that chapter on Jefferson, Secondary Constitution and Aristocracy

We have got our Lyceum incorporated. We have a rule for electing ~~[illegible]~~ members gratuitously, when a good naturalist does us many favors and is not old enough to make him honorary. We have elected you and Schoolcraft in this way, with a "obseo" about your being pretty clever fellows with us &c.

I am collecting mosses, lichens &c with all my might for you. I am a selected a part of Professor Eaton's Medical Academy. Yet I shall collect all the [illegible] lichens and &c. I can find in that wild [illegible].

We shall not publish our Collection Floral Calendar until next winter, because we are so deficient in the lichens. Since you sent us those specimens, our girls and boys have are all running wild for lichens, Mosses &c.

I cannot get a sight at Mr. Nuttall's Book yet. Why does he not send some to Albany?

Do not wish to send as far as here, before you see Gibb.

Amos Eaton.

JOREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Dr. John Torrey.
Care of William Torrey Esq.
New York.

James Cates
Albany 25th 1840
Rec'd Albany 28th

Troy. May 9th 1820.

Dear friend,

This will be a medley letter. First. I wish you to deliver these books to Gibby, Mitchell, Akerly and the Lyceum as directed. Secd. I wish you to send these to Bakewell and Cuvier as directed. Third. I wish you to send these three, in which there is nothing written, to three of your correspondents in Europe. Or, if you think best, send one to Jameson of Edinburgh. Perhaps you will think best to send one to a Swede and another to a Dutchman. But I leave the three to your direction.

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY

This moment I am packing up for Lenox Academy in Berkshire County. I am to lecture in Lenox, Stockbridge and Great Barrington on Botany for five weeks. Then I go to Vermont to enter upon my PROFESSORIAL duties. My pay will not be much (1200.) but I lecture but six weeks, and my expenses are home. Besides it a great thing to be a Vermont Professor you know.

I send you all I can this moment by my hands on. Perhaps the bundle contains nothing you want.

I have a hundred things to say; but I have not a moment of time.

Write to me at Troy as usual. For I am moving about at such a rate, that I direct Mr. E. to open my letters and write me the contents, keeping the originals till I return, which will be in five weeks.

Until I had written so far I expected to send this letter with the package. But I have concluded to send it with Mr. Parker's bundle to Swords. Therefore you must call at T. & J. Swords' Bookstore for the bundle of Books, Stamps and maps.

Begin to write me the public opinion (I mean the scientific public) of my book. This is my only favorite work. I shall not alter my opinion of it for any one. But I wish to know the opinion of Silliman, Pierce &c. I feel as though I stood on solid bottom, because I know my ~~[illegible]~~ to be founded upon really existing wonders. I have taken more pains

I shall collect all the Cryptogamic I can find in Massachusetts, and Vermont as well as grasses, and send them to you to be named, separating duplicates, with similar numbers.

Yours truly

Amos Eaton.

Dr John Forney.

Care of Wm Forney Esq.

New York.

CITY POST

PAID

James Eaton
Haughton. 1820.
Rec'd Aug 12th.

Troy. June 24th 1820.

Dear friend,

You say I ask you if you want things and then neglect to send them. Now I do not recollect any such fact. I always send whatever I suppose you want, and if you do not frequently receive something, they miscarry. I have collected a few things in Berkshire county, which I think you have not seen, and I will send them now, if I can find them. I will go and look as soon as I finish this letter. I pray you do look, because, as I presume you have heard, we are all in confusion here. My house was burned with the rest, and though my books &c. were saved they are scattered to the four winds of the earth. Most of my minerals &c. are in the stream; but my plants were at the burned house. I cannot now find your last letter, therefore may omit to answer some part.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I wish you would make up your mind to give us a system of the Cryptogamia of the Northern States. Suppose it should not be a compleat system — give us at first a little book, and a small edition. Then increase and improve, so that we may have an excellent treatise for a second edition. If you were not over scientific, you could do much good by writing a 12mo book of Cryptogamia, somewhat upon the plan of my Manual. I would then leave out the whole of that class from a next edition, and reduce the price one fourth or more, and refer pupils to your book. Most students would buy both and bind them up in one cover. If you will say you will do it, I will procure and give every thing I can find, and set all my students at work, especially in Vermont. You ought to give essential characters in a middle-sized type and enlarged description upon the plan of Bigelow, Barton &c. in a small type. But there is no need of so much open work as in Barton. If you once begin the work, you must calculate to finish it. Not be forever promising it, though this seems to be an essential characteristic of N. York writers. For example Hosack promised a treatise on Botany in 1805, Eddy in 1815,

Bogert promised a work on fossil relics long ago &c. &c. They seem to think, that if a book is but announced, it will grow up itself without any labor. Just give us what you know, and tell us in your preface that it is very imperfect and intended as a mere sketch towards a system which it is intended shall be adequate after further discoveries are made.

You misunderstood me; if you suppose that I contemplate leaving Troy. I shall go to this Vermont place, just while my own lectures last, & then return. I calculate to itinerate again next fall. I propose giving my usual round of Chemistry and Geology in Pittsfield, Northampton and Springfield. But I have made a curious contract for the employment of my time during the month of Aug. and part of Sept. I have engaged to take a geological survey of Albany county at the expense of the Agricultural Society. I have estimated the time required at six weeks. I am very glad to see the commencement of such surveys and I intend to execute the task in a way, which shall be calculated to awaken a spirit for such undertakings. An elegant copperplate map will be struck off, exhibiting the various rocks, alluvion, geest, marls, primitive sands, &c. &c. &c.

You say some little about my geology. Now let me tell you a word or two. Though I have occasionally given a particular description of a plant, and possess the faculty of familiarizing the science of botany, I do not consider myself as being in the way of improving it essentially. But I think you are the most accurate botanist in our country, and that you ought to move the science ahead half a century within a few years — I mean as it respects our country. You know the only muddled field in this department is the cryptogamia beyond ferns. Some fool will soon hatch up something which will infest us a while and keep us back perhaps 8 or 10 years, unless you set about the work in earnest. I know I should succeed in getting many varieties &c. over

hearted in aid of such a plan. I intend hereafter to tell the fellows to send you things, and correspond with you at their own expense — I can give them good reasons for it, and satisfactory ones. Now will you drive at this subject? Next comes myself. I have now ascertained, to my full satisfaction, that I am the only person in North America, capable of judging of rock strata. Silliman does not know how to distinguish the Old sandstone from the more recent (breccia), nor puddingstone from breccia, nor greywacke from graywacke Trap. He at he La, committed most horrible mistakes in all these cases. On the whole he is no geologist at all, neither do I know one. Mr Eaton is much the best I know of. His book is a heterogeneous thing; but I can find a better application to facts in his book than in all american works. No person ought to write a profitable on geology, until he has seen the rock he speaks of in fifty or a hundred localities and compared all its various appearances and the various fossils contained in it. I could astonish you beyond measure by carrying you to various parts of the same continuous unbroken layer of graywacke or argillite. But after becoming familiar with such layers you would perceive ~~degree of~~ characteristic uniformity where you could not at first have expected any thing but confusion. Infallible characteristics are daily presenting themselves, where they were not expected. I am preparing an essay upon some of the rocks near the west line of Massachusetts, which I think I shall send to Silliman, though he is totally incompetent to judge of its merit. I think you may set down as a characteristic of transition limestone, that it is every where traversed by veins of calcareous spar. Whereas primitive granular limestone is never traversed by such veins. I have lately reviewed the transition limestone referred to in my book for 30 miles in extent, and shall visit the range in two new places within a month. I have come to a full determination to drive at geology in my own way. When I detect an error of my own, I publish it — let who will laugh. And I will yield to no authority whatever, until I see the proof. I know this is talking in an arrogant strain — be it so — I shall so proceed. Though I shall not talk of myself so largely excepting to you, because it is not fashionable.

Amos Eaton.

I have been looking about and I have ascertained that my plants must lie quietly at James Van Dusenbury's at the bottom of a large box in the garret. Write to me immediately at Castleton in Vermont. After that write to Troy as usual. Mr George Marvin takes out my letters and writes me the contents. Tell me in your first letter whether you will give us Crystallogamia. I will set all Vermont in a foam about it. Do write this immediately. I go next Monday and return the 29th of July. Begin the Athens county geology the 1st day of August.

Amos Eaton
June 24th 1820.
Recd — June —

John Torrey
Care of Mr Forney
New York

Where did you get J. E. Smith's portrait? If you have a chance send it to me directed to the care of The Honorable John D. Dickinson Esq. It will be safe by a Troy Packet (not the common sloops) if directed to the care of D. For these trading folks think much of a rich man. Can you send with it a little platina? I want a little for making a test. I shall test all the waters of Athens county.

Albany. Aug. 15th 1820.

Dear friend,

Now let us have a brisk correspondence for a few weeks, while I remain at Albany. I received yours of the 2d yesterday when I was at Troy. Write to me at Albany until the 10th day of next month.

NEW YORK BOTANICAL GARDEN HERBARIUM COLUMBIA UNIVERSITY.

I am good for nothing, excepting geology, only for communicating to others what I receive from you &c. In this I greatly excel. I study every avenue to the minds of the ignorant. I have picked up ~~a few~~ two things, which I cannot name. These I will send you soon. I will "keep an eye out," as you say; but I do not believe I find any thing new to you.

Would not it be best for you to give the Cryptogamia of our district in full, excepting the Fungi, and to give the most common or the most clearly of them? I believe fungi are much more abundant at the south than north.

My Manual, 2 Ed. is sold out entirely. We print another edition this fall, or the beginning of winter. I intend to give synonyms and authorities in a fine type on the margin, in the manner of Cleaveland's mineralogy. I want a list of the errors you have detected and your additional trash.

I am now printing a little book of Exercises in Botany, price to be 50 cents. This you cannot advise me about. It goes out of the necessities known only to teachers. Country people

think it too much to pay $3. at the outset for books. The Lyceum will contain the generic descriptions of plants most common in all the classes. Then a full list all species in the Manual, arranged in the same way, without descriptions. This is to relieve the teacher while his pupils are labelling plants. I find this very important. This little book will contain a vocabulary of its own terms &c.

As to a catalogue of Northern States plants, I should like it; but it would not fill Webster's fall more of your catalogues, only what I force upon some of my students. How come about that scientific accuracy &c. &c. They wish to know plants, and that is all. I can kindle a blaze of that kind of Zeal anywhere, and I can and do make every body respect and honor your name. But I can make no one willing to get down and search authorities.

I would write frequently to your Lyceum. But I see no object in it. My pieces are all, necessarily, on practical parts of Science, which, according to my views of the present rapid progress of Natural Science in our country, ought to be immediately given to teachers &c. Well you publish nothing, excepting now and then a piece, entirely for the benefit of the Author's Vanity. You know Rafinesque makes his own books, because other folks

do not comprehend their merit. I respond to him, ~~excepting~~ with this difference, I make one or two thousand of my pupils read mine, and he is obliged to read his too as well as write them. To be emphatically serious, the Journal of Silliman, the N. York Magazine &c. have admitted such juvenile wretched trash, that I am heartily sick of American periodical works. Silliman's last number contained something; but he studies to please fools. You say I got in too many names. Perhaps I did, but the materials are all essential to the object. I am now furnished with the best article on Geology I ever wrote. But I know not what to do with it. Silliman will not know whether it is worth printing or not. He will print it to be sure if I send it. But he prefers a long dull mass of trash about Mazzini, or Williams' toad-peeping piece. The subject is the geology of the country along the west bounds of New England. I have studied it attentively now from the Q. I. Sound to near Canada.

Alsop of Hudson is a very clever fellow, a respectable merchant, and is trying to learn. C. James wrote me from within 6 miles of Leavenworth Bluffs. He had slept in the woods 14 nights, and was in good health. We had some seeds, but I am not sure they were saved from the fire. I will look. Write immediately and I will keep up or kick a fire as you please for 4 weeks. A Eaton,

Yours truly J. Hall

P.S. Just read Powell's Geology. The book is very clever, but I fear it will not sell.

Dr. John Torrey.
Care of Wm Torrey Esqr.

New York.

FOREIGN CORRESPONDENCE
LIBRARIUM
COLUMBIA UNIVERSITY.

James Eaton
August 15th 1820
Recd Aug 21.

Albany, Aug 20th 1820. Evening.

Dear Friend,

Why did I not find a letter in the post-office yesterday on my return from the Helderberg? Why have you not sent me Smith's likeness? I shall stay out tomorrow night. After that I shall be in Albany at least every night ~~until~~ this week and next. We have examined all the distant towns.

I send you some native sulphate of magnesia. Will you send one specimen immediately to Col. Gibbs. DONNELY CORRESPONDENCE COLUMBIA UNIVERSITY ~~A~~ quantity of it may be obtained ~~sixteen~~ ~~fifteen~~ miles from Albany on the east face of the most perpendicular part of the Helderberg. I discovered it last Wednesday while examining this mountain or hill. Its geological position is at the meeting of the Compact limestone and Secondary sandstone. There is a layer of sulphuret of iron in view about 5 rods in ~~extent~~. It passes under the debris of the mountain; but I suppose it extends to a great distance.

I send you something too, which I found in Rutland Road, Vermont. Is it Conferva diaina? It retains its original appearance except when first gathered. This moss I found near the turnpike in Parkerstown on the highest ridge at ~~that~~ place in the Green Mountains of Vermont. What is it?

You give the locality of the hydrate of alumine wrong. It is Richmond Mass. in an iron mine not wrought, of the Stalactitic hematite.

It is in the same range with the Salisbury one and of the very same kind of one. Though there is more granular limestone in its immediate vicinity. You must compliment Emmons' industry in searching it out. When he attended my lectures at Williamstown he was the best hunter in botany and mineralogy I had.

You may say, that Beck and I discovered this native Epsom salt, though he was not with me. But he was about 2 or 3 hundred feet below me; and the only reason he was not with me was, that he was afraid to climb the rocks where I found it. A young man, Nam Ohinda, a very clever fellow, helped me bring down a large basket full of the water limestone, sulphate of iron, sulphuret of iron, sulphate of lime, sulphate of alumina, and ferruginous quartz, together with the sulphate of magnesia. But we could not bring much of each.

We found a few relics, which I had never seen before. But we found so few, that we shall be obliged to leave them all in the Agricultural Society's collection. We found one Nerite, two Buccinites, and a few branches of the Arbo-Mondreporite.

I saw thousands of beautiful acicular crystals of the Epsom salt; but it is almost impossible to bring them home uninjured. We have several other things under examination; but we shall not decide upon them until next week.

Put the label, which I enclosed, in with the specimen you send to Lieut. Gibbs.

I believe I told you, that Beck and I found a spring of Epsom salts in my other letter. This last discovery explains that. For though the spring is 14 or 15 miles south of it, I presume it is furnished with its salt from the same rock. I am daily confirmed in the utility of the science of successive arrangement of strata. I believe the study of this arrangement will finally settle the business of mining upon the soundest scientific principles.

Do write immediately. Also send that likeness by some person you know, the next boat. Direct it to be sent to Dr. Beck's at the Albany academy. His family rides in the academy. Can you get me a little potassium without too much expense? I wish you would send me something on general zoology. Can you get me Shaw's lectures, if there is nothing better? I recollect you got that work for me from the Libra, when Scoundrel had me in tow. I think it was in two volumes. I do not mean the great work. Get me any thing, which you think will answer my purpose, if the cost does not exceed 10 Dollars, and I will return you the money and my thanks by the next boat. Now do attend to all my requests, for I shall soon be off to Vermont where I can get nothing. Can you send me a little platina in the same package with Omitti's likeness, the zoology, potassium and send all by a boat this week? All expenses will be promptly remitted.

Yours Amos Eaton.

Send me no more books, for my purpose, if there is nothing better.

5 Liberty St
Dear Buck

If this should be left at Dr Mitchill, he will greatly oblige a friend by forwarding it immediately.
A. Bates

Dr John Torrey. 47 Wall St

care of William Torrey Esq.
To be left at Dr Mitchills
New York.

Albany Oct. 1
Aug. 20. 1826
Recd Aug. 29.

Albany. Sept. 5th 1820.

Dear friend,

I received your letter, the fifteenth, by Dr. Beck.

You need not purchase Stars nor any thing else for me, until you hear from me again. For I think I shall be at New York the last of next week. I am very anxious to see you and quarrel with you a day or two before I set about the next edition of my Manual. I wish to be set right or wrong on several other subjects. I have a son here 13 years old in to commence fitting for college the last of this month. I shall send him, to fit, into Vermont in a retired village, and I wish him to take a peep at the ocean and to see a ship before he is immured in the interior of Vermont. So I intend to bring him along, and stay in the region of N. Y. about 8 or 10 days. I have a brother, J. Sweetser Eaton, an amiable fat good-natured fellow, who is to be ordained as Deaconing of Norwalk Con. 40 miles east of N. Y. I may go up to see the show — perhaps not.

Now do you have your office swept out clean and two chairs for me to

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

lounge on and a bench for my boy to sit on, next week Friday, and keep them in order until the Monday following. Then if I do not appear, you may relapse into your usual state, and suffer the litter and dirt to accumulate as usual.

There are some difficulties in the way of my going now; but my wife is visiting at her uncles in Vermont, my brother-in-law Lady has taken one son, my brother Sylvester is soon to take another, and I seem to be rather set loose upon the world just now. I believe I will go, but I cannot know until morning (this now 10 o'clock in the evening) when I am to receive a letter from my wife, which may have a material bearing on the subject.

You say you are poor. So you should be, if you are comfortable and not embarrassed. You will do much better for it. I was once rich and stood pretty high among political scoundrels and swindlers. Then I did no good and was worth nothing to society. Now I work hard and get a competency, owe nothing and have money enough for all the wants of myself and family.

But I have no funds to be robbed of by forgiveness and had no palace to escape away. Now I vainly think I do good to others and am not one of society's drones. I shall be happy to find you poor and contented. Though I should not wish to see you quarrelling with the decrees of Providence; I had rather even see you rich.

Can it be possible that I am really to see you at all? What impression will your presence make on my feelings? Are you still that self-same being, who, by a kind of instinctive impulse, saved my sinking spirits from desperation at a time when those were under the deepest obligations to me depended me? Were I the owner of a world I would give one half of it for the consciousness of having been the author of those deeds of benevolence, which so emphatically characterize those green years of your boy-hood. — But I will stop; lest that enthusiasm, for which I have been so often checked, render the subject disgusting to you.

Then to business. — When you mentioned dedicating a plant to Bigelow, I presume you had forgotten that Smith had already honored him in this way. See the last supplementary number to Rees' Cyclopedia. Yours

Amos Eaton.

Dr. John Torrey
Son of William Torrey Esq.
New York.

Albany, Sept. 24th 1820.

Dear friend,

I received Pursh, the plants and written directions. I have looked over Arnott's plants (he went directly to Troy) and have one all the Pteropsoras I can find for you. The Comptroller has not returned, and is not expected in several days. He said, he would bring me a large quantity, and I will leave a written request at his house for him, to send half that he intended for me, to you.

I went to Gov. Clinton's last night and got his Michaux. Oh Mr. Torrey I have of Stephens Vine Pentfolier. I believe I have all I want now, but your new species of Polypodium and Polypodium, and the mosses not in Mr. nor Decandolle. I wish you would send them as soon as possible.

Now take notice — Direct your next letter to me at Castleton, Vermont. I intend to go to Troy Wednesday, and on Monday the 1st of October go to Castleton. I received a letter from my wife, which makes it necessary for me to go. I may go down to her uncle's, where she is, for a few days. But I shall not be four days from Castleton in two or three months. I can send to Albany once or twice a week always. I will engage Beck to send your books home, and I will send them to him; unless a Castleton merchant will deliver them to you or William

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I went to the Steam-boat office, alias a nasty grocery shop, and found Dewey's box among boxes of tea and kegs of tobacco. It had lain there a month or more, and it required much scolding to get them to look for it. Dewey had sent another package and written to some person, as I partly learned, to see about it; for it seemed they had received a scolding from some one already. I will see that all is on board in the morning.

I have been down this evening and got the keys to the rooms of the Society of Arts, where I therefore I left a compleat set of geological specimens. I shall look early in the morning. I shall put them with your things, and you will give them to Dr. McNeven. You must wait, till I write more.

I have been contriving a preface to 3d Ed. Manual to lie by me to improve upon. I tell about the corrections in length, then say a work on the 4 last orders with enlarged descriptions &c. making a book about the size of the Manual is much wanted. Then conclude by saying you have long been solicited to produce such a work. Nearly I am now authorized to state, that you have consented to the undertaking &c. &c. I shall work it down about right, and then let Robbins look it over. When will it probably be ready?

I do not know how you are to get minerals from Deerfield. If you had an acquaintance in Hartford, I should think the boatmen might take them there. But it is an insulated out-of-the-way place. In your correspondence with Dewey, you should advise him to send every thing to Robbins and let him send by a Troy sloop. And you should send by a Troy sloop to the care of Doctors Burrett and Robbins. The steamboat conveyance is becoming the very worst of all for carelessness, insolence and every thing that is disgusting and unaccommodating.

Monday morning.

I have been to the Society's room and find I have not a complete set of Geological specimens for Dr. McNevin. Several, which would be most interesting to him are wanting. I send you and him two small pieces of beryl from Haddam, a piece of adularia from Brimfield, a small piece of the Kamellar baryte from the little falls, a poor specimen of ~~prehnite~~ white from Canaan Lead, and a piece of plumose mica from near Middlefield and perhaps in the town — Hunt collected it. I do not know that either of you want either of these specimens. Let the one take to which either of them will be of any use; or break such as may happen to be of any use to both of you. I have nothing else here in Albany — There I left when I lectured here. I will send each a complete set of Geological specimens. But I believe I cannot do it until next spring. I intend then to bring 100 lbs to Troy, and have them labelled with printed labels.

I have been to hang at the Capitol, the [redacted] must stop short.

Yours &c.

Amos Eaton.

Dr. John Torrey.

I must always spell your name fully out and always say the John in conversation. For we have a fool here, Dr. Jesse Torrey, whom every body knows. He lives at New Lebanon, but he is every where peddling his books about Negroes &c.

Do get the Mosses &c. made immediately and write to Leaphelin. If you fail for a delay in the Mosses, send the rest immediately.

J. E.

Dr. John Torrey.
No. 463 Greenwich St.
New York.

James Coles.
Feb. 24th 1820
Recd Sept 26th

Cassville, Dec. 27th 1820.

Dear friend,

The first thing on my mind is your talk about St. Domingo. If this climate will do, I advise you to go for a time. I know Boyer. He is really a good fellow. I will give you a letter to him, and I assure you he will respect it. He may not remember my name, but I can soon bring to his notice what will interest him.

In September 1800, I was at New London with my first wife; a Mr. Metcalf and his wife (cousin to my wife) were with us. The Creole and French prisoners were ordered from N. London to Norwich. We rode up in company with them, and moved slowly to keep pace with them. I was the only person who could understand or speak a word of French. I fixed my eye on Boyer immediately. We travelled in company most of the way to Norwich 14 miles. That night the Royal Arch Chapter sat in Norwich. Metcalf was a member and he introduced me. We having found that Boyer was a mason mentioned him to the lodge. The next day he was comfortably provided for by a committee of Masons. I remained there three days — assisted him considerably in spelling in Webster's spelling book — advised him about his course for learning English &c. From that time I never heard from him until I saw the account in the papers, though I have often enquired for him. There was something

in his appearance which would compel you to select him from among thousands. He is familiar, affable and observing. Has a curious investigating and inquisitive mind.

I am driving the 3rd Ed. of the Manual as fast as possible. But I had more to do than I expected. I have given one hundred and nine lectures. I had not only to give my own parts, chemistry, botany and natural philosophy; but I have given a full course of medical jurisprudence and geology, with the elements of mineralogy. Now I have done, and give all my time to botany. I could send part of your books now; but I wish to compare and review perpetually. — I intend to have a good book now.

Nuttall's language is horrible; but as you say he is accurate I adopt the substance of most of his descriptions. De Candolle's descriptions are the most agreeable to my taste of any thing I have seen.

I take Nuttall for Umbelliferous plants, but I have adopted a new method of cutting them into sections. 1st Seeds prickly or hispid. 2 Seeds winged. 3d Seeds 3-ribbed. 4th Seeds 5-ribbed or ribless. This gives 4 genera to the 1st — 7 to the 2d — 6 to the 3d — 9 to the 4th.

Our catalogue of Medical students is in the press. I will send you one soon. We have 44 very likely young men. Commons is all you know among them. We have had two good subjects

for dissection, and all the parts have been well given. Dr Gallup is really a great man, and a good fellow. I suppose you have seen his work on Epidemics of Vermont. I have not seen Hayden's essays; but he wrote to me very minutely about his plan last spring by Dickinson. In one of his essays he intended to prove, that the alluvium of the Southern states was formed from the images of the ocean &c.

We are only waiting to ascertain whether it was Webster or Bona that wrote the article respecting the Index. I never thought you may rest assured the writer will speak at his own folly.

I will consider the subject of a Vermont collector for you. Perhaps I shall pay Perkins of Woodstock Vt. near the line of New Hampshire.

I shall leave Castleton in three weeks. I calculate to stop one month at each of the following places, before I arrive at Troy. Rutland, Manchester & Bennington Vt. and Pittsfield, Mass. If you write to me at the place where you suppose me to be by this calculation I shall receive your letter; for the post-masters at all these places know me and will know where I am; of course I am to forward it.

I will hurry through as fast as possible and return your books. I am very anxious to have this edition accurate as possible. I will endeavor to send you a copy of as much of the preface as you will wish to see, before I have the preface printed; which will be the last part printed.

Your friend
A. Eaton.

Dr John Torrey.

Certificate of
Decr 27

Paid 18½

Dr. John Torrey.

No 172 Fulton St.
New York.

Johnson Eaton
Dec 29. 1820.

Rec'd payment 1821

Rutland (Vermont) Feb. 21st 1821.

Dear friend,

During all my correspondence with you, I never complained of ill health. So far as respects health, I have greatly favored all my life. But from the second or third day after I wrote you last, I have been very unwell. At first I took a severe cold, followed with fever (our doctor called it incipient typhus) and most distressing hoarseness. Several times I partly recovered, then made an effort at business and suffered a relapse. I came to Rutland (10 miles east of Castleton) on the 13th ult. Here at a friend's house, I intended to shut up in a close room and finish the 3d Ed. of the Manual — having translated but 3 pages since I wrote you. But here a most alarming lethargy (as doctor called it) attacked me. During 38 days here, I have been able to write part of two.

I have commenced writing to you several times. I then concluded to wait the event of a day or two more. A gentleman of this village told me he thought he should go to N. York about 10 days ago. I put up all my M S and translations together with your books and wrote you a letter of three sheets of directions, with a view to induce you to prepare the work. After he kept them two or three days he returned them, and said he should not go until April.

I am no much better. I begin to swallow a little solid food. Yesterday I wrote three letters. Next week I am going to my wife's mother in

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Wallingford, 9 miles south, where I hope to be able to finish the work. I should have returned to Troy but was not able to travel so far. Besides, if I recover I wish to give lectures at Bennington Vt. and Pittsfield Mass. before I return.

I have been guilty of three or four acts of imprudence — I gave a speech at the Agricultural meeting in this county, in one of my favorable intervals. It injured my throat very much. I do not know where to direct you to write me, unless you write immediately. On calculating the course of mails, I find that if you write to me at Wallingford, Vermont, and your letter is in the N. York Post-office by about the 4th of March, I shall receive it. I wish you would be good to write about that time, not differing more than a day or two. I may stay there twice as long, but if my health improves, or it rains for three days hence, I shall go to the southern villages soon. I shall leave directions with the Wallingford postmaster, if I do not receive a letter from you before I go.

I have nothing to tell you, for I have neither seen nor heard any thing. More than two months have passed away, as a blank in my existence; excepting so far as extreme torture could afford materials for amusement. Today the weather is pleasant here, and I feel as though I should ride out, and again begin to think of existence.

Your friend,

Amos Eaton

Paid 18½

Dr. John Torrey.
No 172 Fulton St.
New York.

James Cotton.
July. 21st 1821
Rec'd Allowed in

Pittsfield. April 7th 1821.

Mr Warren will deliver your Bracket, Actinias and Agaric. I will send your Perfoon and Ne bandolle, very soon. I hope to write you a letter before Mr W. goes — If not I will write by your other books.

I shall stay here at Pittsfield Mass. just 4 weeks from today — then I go to Troy.

Yours

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Auburn Calif
April 12 1849

Dr. John Torrey.
Fulton Street
N.Y.

Troy, June 25th 1821.

Dear friend,

Not half a [illegible] have been received in my time since I came here, dated on the 6th of May. Now 3 days from meeting to write to you and have a few lines.

Yesterday I put the 3 ℔. of our Manual as far as the 168th page into the post office for you, that you may see the general complexion and point out errors &c. for the rest.

We only progress at the rate of 48 pages per week, therefore it will not be finished before the last of July or first of August. Now do send me any additional facts or hints, not marked in your books, and every thing else you know. This edition will cost me about a thousand dollars, and I wish to make it as complete as possible. My fault made of giving synonyms and authorities, I presume you will approve in a work of this kind. We have so enlarged the page, that we calculate to have this edition make quite as small a book as the other. And we shall put up some in flexible or soft morocco binding, well bound and close cut, so as to make a very convenient pocket book.

Perhaps you will not approve my giving 33 pages to Lichens, &c. &c. But my experience has joined this matter out of question. The quackery part of my 12 ℔. did more for the extension of the study than all the botanists, especially in America.

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY

What is Botany good for? is asked by every parent, guardian &c. If the answer is given, that it teaches the virtues of plants, the gentlemen is readily satisfied. But if you speak of its advantages in sharpening the faculty of discrimination, being a pleasing recreation for spinsters or neighbouring amusement &c &c. you are laughed at, and get no students. By introducing the subject of Cultivation in this way, we may effect an object potentially useful in addition to holding out a refined social bait. I once had more than two thousand students in Botany among them, some are very correct, will have considerable taste for books of Natural History. More than 2500 of my own books in Botany, including my little herbarium, are now in the hands of as many persons. This is opening the way for such books as your Superior three Volumes octavo Northern States Botany, to be published in numbers with one or two plates to each number. You see I have laid out your work largely. And why would not a still larger plan go? I mean a plan like that of Cruikshank or Bewick, with a subscription list first obtained. Promise to give one specimen at least in every genus. For if it were at first limited to Genera, all would subscribe for that part at least. Say five numbers or Genera at the one or more specimens in any genus figured and in large and difficult genera, as Sagittaria, Potamogeton, Polygonum &c one

in many factories &c. ~~are~~ two or three platform for number ~~of~~ making one large picture.

These are undigested remarks; but would not some book seller well pay to undertake something of this kind for you on terms to make it pay? One number, of 4 or 5 pages, would show what you could do, and encourage and pay twice over. It is matter of letters you have and may get from or not. You give them the plants &c. you could procure drawings &c in the manner of Curtis and others.

Hitchcock says that he has many drawings of mosses, and Miss Atkins of Troy has perhaps a hundred most perfect microscopic drawings of plants. Other work could be found to afford, if your plan succeeds.

After hearing this stuff, now will be a short full. What about Dudgeon's exhibiting tent? or you? What about your coming to Albany and Bath, invitation in August? I live in the Old Bank house 1 1/4 mile north of the Courthouse in Troy. Have room enough for you, and hoping enough to employ you. I am to commence the geology of Washington County for the agricultural folks on the 16th of July. Lewis Beck will go with me most of the time. I shall keep a covered waggon with all apparatus. Shall generally go out Monday, Tuesday, Wednesday and Thursday, for about six weeks. You will take one or two journeys with us.

Yours &c

Amos Eaton.

Mr. Williams has sent to Albany & Washington Co. in the last mail 30 packages of Herbarium specimens.

PAID

Dr. John Torrey.

No 172, Fulton Street

New York.

James Eaton

June 27th 1831.

Rec'd Pay't &c. ||

Troy Nov. 1st 1821.

Dear friend,

Your letter of Oct. 11th has received in my absence. By the catalogue I send you, on the last page, you will see that I spend 5 weeks annually in Vermont. I returned yesterday. That School flourishes beyond all expectation — least my salary is small; only 290 Dollars last year for my 5 weeks, and I give more than 100 lectures. There 76 students are all full grown young men, and there is not a jeering fellow among them. You certainly did wrong in neglecting to let me know your final determination as to your outline Fauna &c. in regard to your Flora of the Northern States. Perhaps you think you have told me; but you had a half-score of plans the last time I heard from you. I have done something for you however on Emmons' authority. I told the students that I was almost authorized to say, that you would soon commence with a series of numbers in some measure resembling Elliott's, plan of a Southern Flora. I charged them to watch the New York papers, and whenever it should be announced the good in their manner to the utmost agent. I told them, it would be indispensible for young gentlemen who intend to be correct and accurate in the sciences — that my

Manual was a mere School-book, designed to prepare students for more extensive copying &c. &c. Do you see, I have been compelled to dash on in the dark, on account of your negligence. In regard to the pages of your work, I think I have prepared standards for it. They are very greedy, even hungering and thirsting for such a work. It looks very strange to see in your letter "dont be alarmed" when you know I have been urging you to this, three or four years. So from my inference, no two works can be devised, which will more effectually support each other. You ought to give it in a pretty long type, with more on a page than Burns gives. Then you may tell us a long story about each plant and not make the work go beyond two tolerable pages 8vo.

All I fear is your language. You will probably condemn mine; because no great man, or rather no great pedant, has written in that style. Every one prefers my manner for himself, I find; because he can understand me better than he can understand any other style. But still he must tell other folks, that it is "deficient in a literary view &c. This is all affected classic nonsense. I have considered all that these fellows could say in ten years, and all their stuff is as trite to me as "every one to have ~~[illegible]~~ "nature as the old woman said when she "kissed the bull."

Why do you not send me the description of the two Vineyardvarieties which I have twice written for? I received none but the new Equisetum.

My 3d Ed. Manual has been the most unlucky thing in the world. 1st My-self took 4 months, then Skinner took it on a journey, then Jewett detained the printer, then the Legislature &c. Now it will be out as soon as it can be driven through the press; and your other book just home shortly.

You wish like Berry as well or better after a long personal acquaintance — Hitchcock almost as well — Cooley wish for for a little long one acquaintance, but not essentially — Dr J. Porter of Plainfield is clever; but whom had sent his poems, you formed a correct opinion of him.

You ask for a copy of 3d Ed. of my Manual, and one to send to Europe as I promised, you say. I promised you two dozen, and you will receive two dozen copies, as soon as the work is out.

The Pentandrian county survey will soon be published and a copy will be sent you.

You ask for new things. I never find new ones. Six feet of ground in the vicinity of New York, with two mullein and one stink weed on it, will give more new genera and species than all the lakes and mountains of Vermont. Yours &c

Amos Eaton

PAID

Dr. John Torrey

Fulton Street

New York.

James Cochran

Nov 14, 1821

Recd Payment.

Troy. Jan. 12th 1822.

Dear friend,

I rec'd yours of the 26th ult, post-marked 8th inst. this afternoon.

The Manual will be out soon. Websters are now at work, all hands. I intended to have you tell me about a Riccia, which I found in your De Candolle & De La Marck & the other Riccia, but I forgot to write about it. Look at it now. I have passed Riccia, but I can correct it in my Addenda. I have called it crystallina, because I can find no other description that will not exclude it. But Dewey says he has one like it, which you call trifurca. I have no description of trifurca. Send me its name and a specific description immediately, if it is not crystallina. It grows in a pond in Wallingford, Vermont. At the same time send me any errors you have noticed in what you received of this edition.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

About the preface — I will here send a copy of my preface, & I say about you. I talk about two pages of the improvement in this edition without speaking of you. Then I begin a new paragraph in this way —

Here I might leave the reader with a sufficient view of the improvements attempted; and with an impression favorable to my industry. But I am compelled to acknowledge, that though I have done all in my power, I can claim as my own but a small proportion of the improvements, excepting as it respects localities. Dr. Torrey of N. York ~~[illegible]~~ suggested the most correct, and valuable improvements to be found in this edition. And I believe I may encourage the reader with the hope, that the extensive collection of man-

terials in this profession will very soon appear before the public in the form of an enlarged system of the Botany of the Northern States. Such an extended view of the subject would be an invaluable treasure to all lecturers, private teachers, and all others, who are disposed to enter deeply into the study.*

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* Dr. Torrey has almost completed the materials for his first number.

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I think there is no blarney at all.
I have heard of Bigsby, but never saw him.
Now for your <u>base devil</u>. Stay where you
now are. Write your botany. Take the first
<u>respectable</u> professorship that offers. I hardly
know what to say about your attempting
A professorship at West Point will do for you, a few years.
a popular course of lectures. I will tell
you what you are and are not, in a few
words. You are made for the higher walks
of science — nice accurate investigation —
new discoveries and improvements — to cor-
rect the blunders of others and to keep the ship
of science in trim. You ought to remain
in N. York or near that place
as a kind of scientific cen-
ter around which such satellites as I
am may safely revolve, without danger
of flying off in a tangent. You have not
one ounce of that ingredient, which is ab-
solutely necessary in a popular lecturer.
I charge you, if you have any regard for
your reputation, never to let yourself down
by such kind of popular courses, as those
which I give. I am made for noise and
bustle. My fort is among the rabble. And
if I have any merit, it consists in the art

out of simplicity. I say this of myself in order to tell you what you are not. You and I are precisely at diagonals in all our qualifications. You will shine preeminently as a professor in some of the learned institutions. But I should tremble for you in any other employment. Just look about and ask, what has brought you into public notice? Your personal presence is not commanding — your language and manner are not prepossessing — your literature has not a classical polish. Then what has raised you above every individual of your years in North America? It is your discriminating powers, your indefatigable research, ~~[illegible]~~ set off to the best advantage by that modest confidence for which you are distinguished. How many are ruined by this, destructive maxim. "I am so successful ~~[illegible]~~ in all that I have undertaken, I can of course succeed equally well in every undertaking." Now I tell you, as do you hear me, ~~to~~ the end of your life pursue the same course which has brought you to your present elevated station.

My Rensselaer County book is printed by Mr. Van Rensselaer. I will send it to you soon. I have postponed my Troy lectures until the 11th of Feb. on account of my hoarseness. I received an application from West Point to give a short course on Botany. I have agreed to lecture there from the middle of April to the 1st of June for $300. I hope you will be there a week with me, after I get acquainted with the stiffness of the military walk so as to be able to tell you which foot to move first after you land.

Your friend,
Amos Eaton.

[Turn over outside]

With respect to the sales of your botany. I have considered the subject a great deal, and I hardly know how to calculate. I know many who ~~will~~ would give 20 Dollars or 30 Dollars for it, rather than do without it. And I believe every student I ever had, now amounting to almost two thousand, will contrive to have access to it. I think, therefore, that it will be purchased in every little neighborhood of botanists, also by every zealous individual, who thinks he can afford it.

T.E.

Thos Eaton
Nov. 12th 1822
Rec. Jan. 4th 1823

John Torrey
Fulton Street
New York

Would it not be advisable to get it published on terms, similar to those on which my Herbal was first published. ~~Let the bookseller have~~ Webster advanced me $120. bore all the expense, and sold out the edition. Then accounted to me for all beyond the expense at the retail price, after deducting one third from the retail price, for their discount with booksellers and other trouble.

T.E.

West Point. April 23d – 1822.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear friend,

Capt. Douglass will tell you all I could write respecting my Sparb-doctor business here.

Let me know by Capt. D. whether Websters have sent you any Manuals. They said they would send as soon as they had answered their most pressing orders. But they may want them thing again.

I may go to N. York, possibly before I return to Troy. But I want from you the name, size, character and prices of books, from which list I can [illegible] a pretty com-

perfect knowledge of Insects, and all the subdivisions of the 6th Linnean class Vermes. You once obtained for me the loan of Shaw's lectures in 2 Vols. 8vo with plates. That was the best work I ever saw on the subject; but I want a better. Can that be had? Without farther questioning you, tell me all about the best books on those two Linnean classes.

Write all you can and tell Prof Douglas every thing you can think of. Have you commenced a botanical course of lectures? Are you going on with your botany? What sort of a magazine

on Francis and Beck making?
What day shall we expect you here, and how long will you stay?
Capt. T. has a dinner of stores for us from the northwest.
We have found the Corydalis cava here. I never saw it before.

Your friend,

Asa Gray.

Dr J. Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Amos Eaton
April 23rd 1822

Rec'd April 30th

Dr John Torrey.
Fulton Street
New York.

Lansingburgh.

Newburgh, Aug. 4th 1822.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear John, It is Sunday and I can spare no paper but this. It is thick short paper, very well suited to a gushing subject. I am full of wrath, on account of your rascally treatment of Emmons. You, in effect, advertize him in Silliman's Journal, as an ignorant blockhead, who picks up minerals (at your humble suggestion) ignorant of what he finds, and sends them to you (all wise and all knowing) in promiscuous, unassorted masses. Now, I assure you, Emmons is, in all respects, your superior as a mineralogist; excepting that he has not given much attention to the chemical analysis of minerals. He is familiar with every mineral in New England, and is considered as a very accurate observer. He first pronounced the Richmond mineral to be prehnite, and afterwards, at the same time, that it appeared to be rare. He gave conclusive and satisfactory reasons for his opinions. I advised him to send it to you and to Dewey. Dewey treated him shamefully, and acknowledged the discovery, not a mere fool, who had happened to rake up a mass of pebbles, not knowing whether they were quartz or diamonds, as you did. Emmons is the real and only discoverer, according to all rules on that subject. He discovered it to be a mineral unlike any known mineral. His scientific eye alone brought it into notice.

The truth is, if a countryman has the eye of a Linnaeus and the science of a Vauquelin, every Cockney of a city, whose pocket

waiter washes the dishes, sets himself up as his superior. Yes, he even persuades himself, that a countryman feels himself honoured if he is permitted to make a Cockney a present. It would be well for you to look about you a little. Who first brought you into notice? Countrymen. Who have gone all lengths and established your reputation among thousands of the best of men, and made your name synonymous with natural genius among both sexes throughout New England and New York? Countrymen; among whom Emmons and others of my pupils have been the chief. And still you take the liberty to advertize him a fool, who send you a promiscuous collection of minerals.

I have not seen Emmons, neither have I heard from him lately. But I know he does not feel himself your lackey or humble servant. And why not, not a fine fellow with ordinary civility? Such a course, as you now adopt, will keep hard feelings between country and town. And I assure you in such a case, the seaports will soon kick the beam. I have the names of more than three thousand who have attended my lectures within six years, in the country. Every lecturer in every seaport town cannot produce that number. Every individual of these have often heard the names of Torrey, Nuttall,

Bigelow &c. mentioned in terms of high respect. Many of them know Emmons also. Now they are to see his name degraded, in a public journal, into a mere promiscuous collector for Dr. Torrey.

I have a word to say in excuse for the Websters. You tell me they paid something about foreign correspondents &c. when they sent the Manuals. I wrote to them to good them about it. They produced a letter received I wrote them from N. York in Sept. 1820. I there say, "Dr. Torrey will lend us books, which he receives from his European correspondents, and will work in them American localities &c. In order to assist him in making due returns, I promised him two dozen Manuals of the 3 Edition." Now I remember that was our conversation and precisely my pr[illegible] &c. I say this for the sake of justice. For the Websters have more liberality than the booksellers in N. York. I wrote the letter in an hour after I made the promise, and I know it was founded on our conversation. I do not say this on any account, but for the sake of justice to the Websters.

I am to stay here until the first week in September. I lecture to a large class — Evenings on Chemistry, days on Natural History. Perhaps I may be in N. York before I return; but it is doubtful.

Tell me what to say to my botanical class here about your general flora of the Northern States. You know I am soon to lecture to 70 or 80 Mechanics also.

Yours in
Dr. John Torrey. Amor Patriæ.

[turn over]

I have brought the *sapphire* with me, which you ask for. I will send it by the first opportunity. You call it a doubtful specimen of *spinelle*. I wonder on what authority? See my geology p. 203. N.B.

By the way, you never sent me the copies of my geology to Europe, which I understood you promised to do.

TORREY BOTANICAL CLUB COLUMBIA UNIVERSITY

Prof. Cleaveland
Augusta Me., 1822.
Recd Aug 8 1822

Prof. Cleaveland

Prof. John Torrey
Fulton St.
New York

Troy, Feb. 8th 1823.

Dear friend,

I will talk no more about mistakes. But I wish to know whether I shall strike out any more of your new species. You know you directed me to leave out several from the 3d edition I published in the 2d ed. I believe all Bigelow's new species are old ones. I do not believe one of Nuttall's new minerals is new. But if they were so ridiculous as some then of the Jefferson, Franklin &c. I have never known quarter from mankind.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Have attend to me particularly, as I did to you when you came in month about your catalogue. I then went to Albany and spent three days with Edwin James to get your matter, Sundays &c. right; after 3 received your frightful letter.

My 4th ed. Manual is now printing. 36 pages are already printed. We are going on at the rate of 72 pages per week, so as to finish by the first of April. The omissions in species of Lichens, I had partly noticed, but not all. But I have no books to take descriptions from. Will you then send me, forthwith, the species with their descriptions of the following genera

as far as they have been discovered in our district.

Leucanora — Racomitrium — Oscillatoria — Rivularia — Ewernia — Morchella and Bernatium — Also sending any thing else, which you find has been omitted. How shall I get the localities of Lichens? You cannot write them off for me. I will tell you a way which will be practicable. Open the 3d Ed. at any genus, for example Opegrapha. Then set down in your letter the page, and under it the number of the species counting from the top; and against each number any character for the locality. As for the localities of the species of Opegrapha, if **mundum** you in Pennsylvania, **abiennum** near New York and **nimahi** about Northampton. Some Lichens, set it down them.

P. 366. Spec. 4, P–5, C–6, N. In this way, a vast many localities might be given in one letter. Remember that we want all your and in the order of the book, to keep pace with the printing.

You wrote me soon after the 3d Ed. was finished, that I ought to have received to the Dr Dietrichian somewhere south, who has written something on the Lichens of that country. Do either send me this book by mail, if a pamphlet or, send me such things from it, as I ought to publish.

I have sold this edition to Mr. Webster for six hundred dollars. Now do not let your bookseller cheat you. Make him pay well for your work. My little Mankind and Exercises have served as pioneers to your work; and the way is now so well prepared for it, that a bookseller should pay a good sum. Mr. Webster will send you three or four copies of the 4th Ed. as soon as it is bound. I include a Grammar of Reading and Vocabulary in this Ed. The vocabulary will all go into 13 or 14 pages. This process has cut down the botanical nomenclature. If you would adopt the same plan of using hard Latin terms, your work would be much more popular. To use common words for the same thing, when there cannot possibly be any thing like a [illegible] rate in many a [illegible]. The fault thus to the [illegible] of botanical style in the Am. Review, is but a fool at best. [illegible] of the word style.

Have you read Edwin Forrest's book? It is [illegible] of ill. Book [illegible] of Edwin in a letter to me, but in apologizing for him, he is, of himself, an excellent [illegible]. But it is [illegible] impossible for a [illegible] to resist the [illegible] and clearly a [illegible] other case. Edwin, unfortunately, has a [illegible] Jo Cox, who is a downright fool. He has just [illegible] to [illegible] enough to explain in [illegible] the [illegible] a [illegible] clearly, a [illegible] [illegible] Jo Cox [illegible] Edwin [illegible] Edwin [illegible] [illegible] Edwin [illegible]

obey him as faithfully as he deems best, and if you
absolutely influenced by him in a great measure
When I see Edwin again, I will "wear him
to the bone!" I will turn Jo his inside out
and then turn to Edwin. It is a pity he
should suffer so severely in his reputation
on account of that ~~that~~ idiot brother.

Mrs Gaston
Feb. 8th, 1823 –
Recd Feb. 12th –

Mr. John Forney.
Fulton
New York

PAID

Pad

Where Jobe entered from, there
always resided in Italy, and consequently
he did not know anything from granite.
I happened to be giving a course on geology
and the memory leaned a few things about
geology, & Vesuvius, from Europe, and
talked big about the geology of Sicily, Italy
& Europe &c.

Do write immediately,

Yours Edwin.

Troy Aug. 30th 1823.

Dear John,

I received the specimen of your Flora, and the Prospectus. I pronounce upon it firstly in round terms, It is the best thing of its kind I ever saw. Now for a bantement &c. I do not like the title page of the prospectus. Do let me make a title page for you, and let me see your preface proof, if you finish them at last as you ought to do. Are you not ashamed to talk to me about being "mum" because you did not send me your new species? You know I have no other ambition about botany, than as it respects John Torrey, reputation. Davis G. Black corrects proof for my title &c. He has promised the Western to keep back their &c. (though printed 3 months ago) for the sole purpose of giving me all the bantement he can. Cheer up my boy. Light!!! L. & B. Back and I are your only disinterested friends.

I wish I knew how for your work to go into its best impression on account of the editor. I found the Northumbrian Lecture

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

in Sodus Bay by thousands — Trillium grandiflorum in Thompson, Ohio Co. the true genuine Hippuris vulgaris on Cayuga Lake in the pond of Spring Hill, by thousands. — Hi. vulgaris the plant hitherto unknown to me.

I returned from the west last Tuesday. I had been to lake Erie, Niagara Falls, the whole extent of Lake Ontario.

As to subscribers, you never ought to have had a subscription paper. Everybody knows that your book will go every where, but not so rapidly as a school book like my Manual. My book (with the addition) is now in the hands of more than 3700 persons. One in ten will buy yours as soon as it can be found — that is 370. Other will follow on, so that 1000 will sell in about three years, or perhaps more may be left four years. If you begin with 1000, for four years last number is out of print till we take up. But you will hang on I fear as usual; leaving the last number 4 or 5 years.

We were in hopes here with fear that you would give us some of Nuttall's perfect language. But your language is very

plain and definite. I see you study to avoid Smith's word "somewhat," by substituting "a little." I doubt your having gained any thing by it. Did you ever read Smith's remark upon "somewhat" in Greek? "Sub" should always be used if the word it qualifies is derived from Latin. I have sometimes deviated from that rule; but not intentionally. "A little" will not be understood in England, and it will merely have the appearance of a transplanting from the best Latin classics.

I hope the two forms you sent me are not specimens of the paper upon which the book is printed. One is white and the other dirty yellow.

Is it necessary to quote Dewey &c. for every common plant? Would it not be better to have an omnibus book's opinion, and cite those folks for rare plants? You are quite too certain about plants being introduced. I do not believe the Poa pratensis was introduced. Botanists often commit the error when the loss is compiled by time; though I have seen it in dense woods 5 miles from any clearing. I know the Hog's cider is a native along the south shore of Lake Erie. It grows along the beach, where the sand is not loose. [illegible] not had time to look out! One [illegible] like a Hornbeam [illegible] like Monnuchus flammula [illegible] white, [illegible] per cent [illegible]

Dr. John Torrey.

TROY NY SEPT 4

New York.

1 82

Hon. Eldad
Sept. 4th 1829
Geo. Gilmer

Troy, (D. Bank Place) Feb. 4th 1824.

Dear Friend,

I merely apologize for every thing right or wrong. But I sent you Schweinitz long ago. You did not get it, and I was sent it by mail. I could tell you a long story about it not reaching you; but it will not be interesting.

I like your first number very much; and the Phil. & Md. book does not look so well altogether. Still we countrymen can but say, what a fine thing to have a reviewer at our command. If Gabriel Prout wrote as good a book as he is capable of, and was in no way connected with a reviewer, he could not obtain even a civil notice.

I have put into your Schweinitz at the 20th page, a Lemna, Marchantia, Lichen looking thing. Tell me what it is? I collected it at the ~~upper~~ ~~[illegible]~~ extremity of the Trenton Falls, 18 miles north of Utica, on a thick mould on damp rocks in the woods. I see spots on the leaves, like the cups on Marchantia, where the stipes issue.

I will put in several plants and number them

No 1. What is this? Trenton Falls.

No 2. Do. Trenton Falls.

No 3. Tonawanda Creek — Stemless, thin, aquatic, 3 to 10 feet high.

No 4. Thousands along Niagara River.

No 5. Niagara Falls.

No 6 — Niagara Falls.

Perhaps, I might look them out, but I do not now know them. I should have sent you many western plants, but my best collection was destroyed. I shall collect extensively next summer.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I found in Seneca Lake specimen of Hippurites. I examined hundreds and found all had about 10 bones in a whorl. Would it not be a variety decaphylla?

The rock part of my boreal survey is in the press, and the engravers are at the plate. I give a profile of rocks, four and a half feet long. I extend it from the Atlantic to Lake Erie. I suppose I shall set all the Boston fools at scribbling again. How contemptible those reviews are which are written by persons who know nothing of the subject of the book reviewed. I challenge all correct geologists upon the accuracy of the survey. But those who have no reputation to lose, are cowards. I have become acquainted with almost every individual fragment of rock, creek bank, and hillock on the canal line. I travelled with my one horse wagon and boy more than three thousand miles last summer.

The first of next month I go to Amherst College again, to give them another howling. I shall then be near the land of your head-man of Israel, Cooley. Is this Cooley, that takes such a lead in Tonnegy book, in the general engine.

Remember one thing — that is, not to cite as your weed-pullers, any fellow, use this way, who gets any value on himself. In questionable cases, where scientific knowledge would be a pre-requisite, no one would object to being referred to. But to shoulder a decent man as your country drudge, to fetch and carry weed, will not perhaps be as acceptable as you imagine. You know this was the way you treated Emmons about the mineral. You have been well paid by the Berkshirites for that. Don't think I set it on foot. I scolded you; but transferred your words and dictated common sense, to all that Dewey, in order to smooth the matter, and make bungling work of it after all.

I am willing to pull weeds and pick up stones when I can; but recollect, I am never to be dragged before the public, unless it is by way of giving my opinion in a questionable case. My Manual has merit; but it is not that of a botanist. It is that of a simplifier. Boys and girls understand all I write. I stand between you great folk: and the common folks, just like a tall Jerusalem bean, when handing down crockery to a short chubby kitchen girl, from a high upper shelf. In truth I am not an accurate botanist. But I do describe plants clearly, with fewer words than any other botanist, so as to be understood by mere urchins and kitchen drabs.

But when you come to geology, take care how you touch me — or rather how you point at me, for you ~~can't~~ can't touch me. I have set one foot in the Atlantic opposite to Boston, and the other in Lake Erie, I permit the Lilliputian fairies to play with pebble stones between my feet; but nobody must touch a rock without my permission.

Lewis Beck has made an Appendix to my book in which he shows a good deal of fudge stuff, that is hay and provender from your book. Tell me what you are about, and what I must say about you at Amherst College. Tell me always, what new works on Nat. Hist. and Chem. have appeared, where I can get them, and how much money I need for them.

Yours &c

Amos Eaton.

Dr. J. Torrey.

Amos Eaton
Feby 4th 1824
Recd Feby 8th.

Mr Amos Eaton.

Dr John Torrey.

FEB

PAID

Paid

72 Amherst. April 22d 1824.

LIBRARY
NEW YORK
BOTANICAL
GARDEN.

Dear friend,

As you have now become "like one of us, knowing good and evil," I hope you will soon be freed from those fits of derangement which are so strongly imprinted on some of the letters with which you have lately honored me. In your last you attempt to reply to my remark on the subject of the geological enterprise of the Troy Lyceum, as being first and establishing principles, which have directly all subsequent writers, though they are unwilling to acknowledge it. Instead of answering those remarks, you imagine that it was plants I meant, not rocks. Therefore you say, ironically they you will do us justice hereafter and say that we brought to light all you published in the Flora. You seem to have greatly shaped yourself about it, and to have written and fulminated out some tremendous anathema. Now do read my letters before you answer them. I have received replies to more than 50 subjects upon which I never wrote you, within two years. I never made any pretensions to any discoveries in botany, nor in any thing else but geology. So far from regretting the publication of the two editions of my geology, no act of my life is a source of so much gratification to me. It contains the elements of all which has appeared in our country on that subject since its appearance. The primitive part will withstand all the criticisms of knaves, fools and men of sense, while an undecomposed rock is left in New England. The secondary part is defective, as I acknowledge in the last edition. How many upstarts have figured away in materials drawn from that little book,

Given by A. M. VAIL. from the A. J. Brooke Collection

which they have presented as their own. Scarcely a
a new subject on geology has been presented. Cong-
lomerate, the theory of Diluvium and Alluvium, which is now pushed
off as new, was fully developed as founded on a
letter from Schoolcraft, in my chapter on al-
luvial formations &c. &c. two years before any Eng-
lishman thought of it. My analysis of the Lake
Erie formation was printed in it; so that it was
in two or three hundred hands, many months before
any other person had suspected it was not bituminous.
Though it I gave the first notice that Catskill
and Allegany mountains were graywacke. No
individual in N. York, Philadelphia, or N.
Haven or Boston knew what graywacke
was, till that account appeared. On the whole,
faculty or faculties of Spurzheim has been
so fervently compressed in your head of late, as
to induce you to propose I reprint the publi-
cation of that book? Why did I not stop
with one edition? More than eighteen hunn-
dred copies of it have been sold; and there is
nothing to take its place, unless my canal
journey, with its prefixed nomenclature, should
be used. It has already (the two editions) yielded me a clear profit of
more than six hundred dollars.

In regard to your flora. It is taken here by
a college society. I have no doubt it will
sell every volume; but it will go slower than
a school book. As soon as students have
made a little headway with such books, they
will want your flora. I was confined at home
last winter several months with a bad cold and
its consequences; of course did nothing for you nor for myself.
I am now going along
the canal with two vituperating young
botanists. I shall set them at lecturing

on Botany &c. at two villages at once. I shall play between and boost them as I did Bronson in 1820. The western villages have only had a few bungling fellows with them; and they have no zeal. If I have my health I will play Nettleton and Whitfield among them. My books never go to the west. But I will ~~make~~ open a passage for your flora and all my traffic there if I can only have health. I have been just back in the health way for the last six months. I am inclined to turns of asthma. They are short; generally last three or four days. But they sometimes leave me hoarse. I am well now, however, and not hoarse.

Here is a fellow who will make a great naturalist, and a real clever fellow. He is a great favorite of Nuttall. He is in the Junior class and will graduate in September. His name is Charles U. Shepard. His father was a Rhode Island clergyman. Since his death his mother moved to this place and purchased a house &c. He has an excellent collection of minerals. He starts off the first day he hears of a new locality of a mineral 50 or 100 miles. He is an accomplished gentleman of real genius. I wish you would elect him a corresponding member of the N. York Lyceum. I will be responsible that he shall pay his fees &c. Give him the proper notice, and let the fee be marked on the cover of it.

I think I shall be in New York about the 20th of May. I calculate to go to New Haven by land in my own carriage. There to send my son home with the carriage, and go myself in the steam boat. I shall stop at my brother's in Norwalk, Con. at N. York and at West Point.

(I think it was he)

L. C. Beck told me, that Percival was but a temporary appointment. That a professorship of Rhetoric and Belleslettres was soon to be created there — then Percival was to fill that place, and you to take the chemistry and natural history. I supposed you referred to this arrangement when you said you was a candidate, for I had heard this story two months before you wrote. I have heard too, that Silliman would take it, if the place should be made into a professorship. But he would not be "Assistant surgeon, acting Chem. Prof." as Eaton was. Yours Truly Amos Eaton.

N.B. The conversation of this college actually as Professor of Chemistry and Natural History, when the Shepard will be here.

Amherst Ms
Apl 6 24

Paid 18¾

Dr. John Torrey.

New York.

Amos Eaton
Amherst 1824
Recd Mar 17

Rensselaer School, Troy, April 23 1827.

Dear Friend,

I received your package soon after I wrote you. But [illegible] to tell you some odd [illegible]

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

On opening the package I found an enclosed package; but as it had nothing written upon it, my attention was not called to its being in a distinct wrapper. I found it contained several pieces of cap in what appeared to be great sheets of waste paper, just as I have often seen. The caps were put into my hands and the paper thrown into a box in the green cellar, which is our mineral cabinet-room, to wrap up minerals. Here I threw all waste paper.

I have a daughter 9 years old, who cuts out poetry and pasts in a blank book. While at this work in the cellar, she found this letter, and brought it to me. I pronounce

pencil, that it was a copy of
Hegel's. I concluded you had
complied with my ardent re-
quest to obtain a copy for me,
and immediately sent it to be
bound.

A few days after, my daughter
brought me a Latin pamphlet
from the cover. I found it to be
a periodical published at Stuttgart
Nos. 14 & 15. Glancing over it,
I saw, knowing all the facts,
that you had never sent
your packages to me. Dewey
quietly threw aside and this pam-
phlet was for him, and he
had omitted to detach it, from
mistake. He seemed to be amused
at his being a great deep man,
not. It might be the year

intended to write. This in your letter to me, we forgot it. Possibly he may not take this periodical work. As it could be we might, if the copies (well packed and the pamphlet) be sent.

Again I, I conclude, could not be for him; as he received a copy from you before. So it all stands. Perhaps we misjudged the whole. At any rate the story of the pamphlet and a few other things, induced me to tell this story.

I have nothing more to say. When you read my article in Lincoln let me have a word from you about it.

Mr. not fine your copy first. The whole contents is in correct expectation of it.

Yours in haste

Thos Tate

Mr. J. Ewing.

Amos Eaton

Apr. 23rd 1827

Rec'd Apr. 28th

Prof. John Torrey.
N. J. Whitney, Academy,
Albany, Pa.

13

Troy, Sept. 21. 1831.

Dear friend.

Why do we not correspond more? I am the only person in the world (I mean of the scientific corps) who cares much about you, at heart. And I would prefer putting my reputation in your hands to that of any other person on earth. We are like some old husband and wife, who feed each other, pet, pinch, &c. but when either is in distress the other feels it to the heart — and the death of one kills the other. There, for the first, they find that they are absolutely one, with some disordant jars.

So far I happened to talk thus — Now for some cold matter.

Why did not Cooper tell me about his wonderful panic about the Montrose specimen? He knew I would publish any thing he required. In the protection I certainly treated him with more respect than he possessed to. Did he lie out right, or has he no memory? I could put him in a bad situation, if I would; and I should, if he had not been your friend. I have two affidavits at command, that he did say Red. He thinks wealth will back him up in every thing. One of the young gentlemen, who speaks, he did so red faunch, can bring [illegible] of him, if he goes on that ground. The [illegible] is, he knew nothing about that subject, until it was published; and [illegible] Featherstonehaugh under him, to try according to his own practice. He always knew every thing. It not Cooper a milk-and-water fellow, of "easy virtue"? — always governed by his elbow fellows? What a force he has falsely with us about Dr Gates. That Gates did not know as much Natural History as would be required to distinguish scientifically, a mullein from a cabbage — grapes from plum-pudding — or a dog from a jew's harp. Cooper gives his name for him. I could not believe my own sense, when I found that it was the same Gates, whom I had seen at Whitesboro. Cooper ought to be civil, at least, after such an abominable imposition on Science — a not set up the trade of blackguard

COLUMBIA UNIVERSITY

in public journals, with a view to injure a real friend, to favor the ~~his~~ malignity of an obsolete blackguard, ~~[illegible]~~ on account of his claiming to be the bastard of a British Peer. ~~He~~ F. may have been a Nobleman's bastard, or ~~that~~ of the Nobleman's groom; or both, probably, his access to the servant girl. However he is a Nobleman, of course. Talents and fidelity give character, but I never heard of illegitimacy ~~[illegible]~~ a wonderful passport into fame before. F. should not be honored or raised on ~~that~~ account, but it seems the ~~[illegible]~~ Co. place all his strength there, as it was there done in Sampson. Heard of D. Will you countenance such assumption? F. was totally ignorant of every thing called science, until you Lyceum instructed him. He has much ready perception, and might be something if he had a little modesty and a few grains of fidelity. He has a smattering, and a tact at blackguardism. Shall the strange case be subject of investigation into virulent paroxysm? * Will you countenance it? Will Delafield? Will any member of the Lyceum but Cooper? Your Lyceum has lowered 50 per cent by F. All and reflecting men will soon withdraw. Which Aunt Nat sir, I suppose you know, turn their backs upon the blackguard, as appears in the case of F.'s filthy gulpings about Tillman. Your Lyceum was sinking rapidly, until you hit in this foul disgusting abbreviated course of practice.

I called to see you, when you was in N. Jersey. I regretted that I could not see you. I can present you with many astounding facts, in relation to your late degeneracy at the Lyceum, and the views of the best men in community in relation to that subject. It is not an easy matter

* It is a public fact that F. is a bastard, I am aware that he is ashamed of it, I am sorry for it, but I am determined to serve my country, regardless of them F.

to put down Dd and active zealots in Science.

Did you see our letter to your Prest? Did you see his answer? Take the two letters, and I appear to be some begging wretch, and your Lyceum a dispensing soup-house. Perhaps I may have one dish of soup, if I will lie about the door two or three forty nights and beg well. I proposed presenting the Lyceum with the most perfect print of American Gyrogigl specimens; and with them to illustrate my views of geology. Preposterous, that I should be treated with civility, I gave my students notice of it. Six or eight fine young fellows came on your Lyceum keeper. He knew nothing about it. I read your Prest. letter, coldly and formally, long after I had seen them — it seems to have been delayed without any apparent cause probably the Nabobman had not given his answer in season. Fudge! Fudge! Fudge! Fudge!!!!

Henry and the Weeks, alone, are doing more than all of your Lyceum, excepting yourself. What is done by the Thomases and others is not liberality will not do at this day. Our country folks are outrunning you, excepting what depends on foreign correspondence — I mean such as getting themselves elected members of foreign societies by praising Babbage's tariffs, &c. Mr. Weeks is member of the Linnean Society in Paris. This was right. He married Atkins's sister — she is an excellent botanist, and had sent 300 drawings of American plants to the Society. He told me, he scarcely knew the meaning of the word botany; and this appointment was his wife's. All this is right in N. York!!! The days of imposition is almost over. Doctor Graham will not be so common hereafter; even if in N. York.

I sent for your Nat. Orders last week — not out — I want it much. All you do alone in your own office, is well done. So I tell my friends. Your affectionate friend,

Amos Eaton.

P.S. Thus Lindsay's pamphlets are correct and just but the author of publishing them would not the just. Thus this letter is interesting.

Amos Pater

Sept. 24th 1831

Hon. Henry.

Hd. John Sommers M.D.

$\frac{24}{96}$

To Professor Torrey.

Nov 1 1848

Mr. Ball is arranging his affairs so as to leave you the package. He is a Professional a lawyer — was [illegible] and has recently directed his attention to the [illegible] he has abandoned the profession, and is now about to move [illegible] on the [illegible] and has [illegible] a district. He will be useful to [illegible] but needs some instruction [illegible] him for deciding what he may [illegible] new things. I shall [illegible] him as I can — [illegible] you.

Hezekiah left the package with all the [illegible]; he left Troy and left no [illegible] being at the South [illegible] Hezekiah left Troy and [illegible] suddenly. With [illegible] going I got a [illegible] to the package, after receiving your letter.

Your [illegible]

Yours, Ira Remsen

TORREY CONCL. PUBLIC HERBARIUM COLUMBIA UNIVERSITY

Your letter is merely a few sketches
men of what I respect as a humorist,
the of Yorkers. I may find time
for a commentary on it, or rather
would necessarily spare your eyes,
for the present. [illegible] the letters
[illegible] are a [illegible]
[illegible] sent. [illegible] are now [illegible]
all want [illegible] to our [illegible]
absence, G. C. A mistake was com-
mitted by some one on purpose for
A. E. gave instruction in Chemistry
at Yale College, on a [illegible] expe-
rience I just as [illegible] expected
correction for the next number. It
was not intended; but a real memoir
of the dynamo [illegible] contents [illegible]
not admitted, respectively [illegible] G. as
a more learned [illegible] and [illegible]
meanly [illegible] was [illegible] [illegible]
fair prototype of the commencement
[illegible] on the [illegible] [illegible] a
journey which Buckland approved. wonderful be
true, that we do not [illegible]

Amos Eaton

Oct. 6th 1831

Hall of Tammany. N. York. Nov 4th 35

My dear friend,

Have I not a small cause of complaint? Let me say why, in my own style. Had you said to me what Mr. Gray said — yes, tenfold more severe — all would have been acceptable, and even pleasant to my feelings. Your long experience, your almost unequalled strength of intellect and our habit of unreserved correspondence — (above all your kindness to me when perjury and bribery had the foot on my neck) — all are calculated to make any liberty taken with me most acceptable. But ought you to have countenanced Mr. Gray in his vituperative and consummately impudent course with me? I will not call him a conceited "upstart," because he has obtained your patronage. Had he told me, that my erroneous views would be discouraging to his efforts — had he questioned me in his pedagogue-like style, &c. under any other circumstances he would have met his reward. But it was in your presence, in your house; and seemed to be, in a measure, countenanced, at least tolerated, by my most valued friend. I was questioned by him, in lofty style, like a poor trembling urchin, cringing under the birch. Perhaps I felt it too much from you — but I beg you not to believe, that I could be brought to resent any thing from Mr. Gray, after he had given me a small specimen of his urbanity. — Contempt was my highest emotion as to him personally; though I was predisposed

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

to set a high value upon him, as my students well know.

You did grieve and distress me, by seeming to countenance Mr. Gray in his unprecedented impudence.

But you cannot weaken my most affectionate regard, and my deep-rooted interest in your well-earned fame, even though you forge me with thorns. I will never forget your kindness, when the world forsook me.

I ask no reply to this — it is the vehicle of effusion for wounded feelings. I simply asked for direction and aid in procuring the printed works, containing discoveries in Botany, since my 6th Ed. went to press — several times I repeated, that I desired merely to keep pace with published discoveries. Mr. Gray (unasked) interfered, as if he — thought he saw — held the destinies of the science in his hands, and that the ground whereon he stood was Holy. "Take thy shoes from off thy feet, and put on the sandals of the Natural Method, and we will begin to hear you."

This may be the effusion of dotage; but, some how, I am

unhappy; and my unhappiness is caused by your countenancing unjustifiable liberties in one who has no right to treat me thus.

Your affectionate and unchangeable friend,

Amos Eaton.

To Prof. Gray.

(which I did not expect, without [illegible])

P. S. I believe I have procured all the printed works I need. As to Mr. Gray's ~~printed~~ improvements in Cryptogamia, I did calculate to publish them; but it seems I am not to be permitted. I regret this, as a disagreeable notice of my failure will probably be indispensible. ~~As~~ my preface will not be printed until the last of Feb. I may devise some scheme for disposing of that public expectation, which Mr. Gray's astonishing announcement of his remarkable discoveries, has excited.

A. E.

Leave from the Regents to receive the manuscript. I shall always be happy to receive letters from you. Yours

A. E.

No. 1

Prof. J. Torrey.
Coins of Mt. Bongal & Prince.
N. York.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Troy, March 26th 1836.

To Dr Torrey,

Dear Friend,

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

As ill health necessarily excludes me from even being a "talked of" candidate for the proposed scientific survey of this State, I claim the right to give my opinions freely on a subject which most deeply interests me.

You know Gov. Marcy was of Troy, and was Vice President in our Lyceum. He has considerable taste for Natural Science, and possesses strong powers of mind. I can confidently recommend you of some matters, as you may think fit to use it.

, and in the best possible manner. – These two assertions I make from personal knowledge.

3. Men of <u>real</u> <u>science</u> ought to be perfectly united in a determination to have it the most perfect Survey ever made on earth. As the honor of the whole Scientific corps is at stake upon it, private interest ought not to govern.

4. Individual <u>species</u> in all the branches of Zoology and of organized remains, are better understood by some individuals in the city of New York, than elsewhere in the State.

5. General views of the geology of the State is

better understood by several country geologists, than by any individual in the city of New York. This I say confidently; because I am perfectly acquainted with every attempted general investigation.

6. Phenogamous plants and Ferns are perfectly understood (as far as the state of the science will warrant) by several individuals in both city and country.

7. Cryptogamia below ferns are better understood in the city than in the country.

8. Critical comparisons have been better made with Phenogamous plants, by one individual in the city, than elsewhere.

The following is my inference, A committee (or self-appointed individuals) from our scientific institutions here and in New York, ought to come to an understanding as follows: that — 1. General geology, and the collection of Phenogamous plants, should be in the hands of country naturalists, with Emmons at the head in geology — perhaps David Thomas as colleague.

2. Cryptogamous and critical Botany, Zoology and the more recent organic remains should be in the hands of city naturalists, with Torrey and Cooper at the head.

3. Mineralogy should be committed to both sets — in this I would include the organic remains, older than the Cretaceous group. James Hall should be the country leader. I know of no one who should have the preference in New York, in this department.

4. The general plan to be adopted, that shall be best calculated to promote harmony and to enlist the feelings of all our citizens, requires much deliberation.

I consider T. Romeyn Beck as better qualified to hold the place of Chairman and to receive and digest all collected facts than any other individual known to me in this State.

Yours truly

Amos Eaton.

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY.

N.B. Though I have interchanged thoughts freely with many (not the least informed on the subject) I do not feel at liberty to give any one's thoughts but my own.

A. E.

Gov. Marcy intimated to Mr. Van Rensselaer, that he should confer and advise with gentlemen from various parts of the state, who were conversant with Natural History, ~~as~~ soon after the bill should become a law. Among those named, you was particularly mentioned. You may receive this as literally correct.

A. E.

Paid

Prof. Jno Torrey, M.D.
Corner of Prince & McDougal
Street,
New York.

Troy, Aug. 2d. 1838.

My old friend,

Toil and hard work chain me down to the School. I hardly write a note but on business. I am delighted the receipt of long wished for letters. I send you $3.75 for the first volume — 4 vols, 1/6 for present postage, & X.L. Do send me No 1 forthwith — I am greedy to see it.

Can I get Gray's grasses? I am now preparing my 8th Ed. of Manual. It will be out next March. [Dwight said it to you by stealth] You know it is every body's. Cost ~~[illegible]~~ over 1500 copies per year have been sold for last 6 or 7 years. Not that I care a fig in the future about your Flora. I will print (verbatim) & let you write for it, to the amount of

a page. What a book Worthington has made!! Is he not all industry and fidelity?

Tell me any thing about my 8th Ed. I will obey any thing; only I will retain the Artificial System.

I think I shall see you in Oct.

Yours, without change,

Amos Eaton

R. J. Tony.

*To Assistant Engineers, and other business men.*

To accommodate you in extending your knowledge of Mathematics, during the leisure of the winter season, a By-law was passed, since the notice was printed, to the following effect:

A winter term (wholly devoted to practical mathematics) from the third Wednesday in November to the last Wednesday in March, annually, is now established. Degrees of Civil Engineer may be conferred on all who attend either the winter or summer course, and are found, at the public examination, to be well qualified. Hereafter there will be two regular examinations in each year—one in March, the other in October; at both of which degrees may be conferred. But no one will hereafter receive the degree, until he has performed the duties of practical engineer three months on a Rail-Road, Canal, or at the Rensselaer Institute; and shall exhibit fair specimens of qualifications for linear and perspective drawing.

MARK TUCKER, *Secretary*
*of the Rensselaer Institute.*

Rensselaer Institute,
*Troy, Feb.* 21, 1837.

The summer term will commence on the 26th April ~~next~~

AMOS EATON, *Agent,*
*and Prof. Civil Engineering.*

All degrees are conferred by Rev. B. Nott, of Schenectady, Cal.

HERBARIUM
COLUMBIA UNIVERSITY.

Gray's foolish impudent article was most forcatically treated by a great man. But I prevented its publication. I considered it a boy's spite, which he will regret, when he grows to manhood.

HERBARIUM
COLUMBIA UNIVERSITY.

TROY
ACC
N.Y.

Prof. John Torrey, M. D.

New York.

Monday morning at 5. Aug. 20th 1838.

[On reviewing an article in my journal, I am disposed to make the following extract, that you may perceive the emotions excited by having proof positive that you had actually commenced the long expected work]

(Copied from my journal)

Memorandum.

On this day (Aug. 11th 1838) I received the first number of the first volume of a work of most important expectations. It is the first attempt at a full Flora of North America; and arranged according to the improved Natural Method.

COLUMBIA UNIVERSITY.

The author is Dr. John Torrey, M.D. This number was published July 1838 [last month] It was published (as I learn from my journal and other documents) a quarter-century after the very month, in which I taught the author the names of Calyx, Corol, Stamen, and Pistil — the Artificial classification of Linnaeus — and the simple method of Analysis.

I was then in a state of the deepest affliction to which (in an age of professional despotism, functions by construction of law) perjury and Bribery, stimulated by avarice, could subject unconquerable integrity.

Dr. Torrey was then a youngIcian of great promise, whose ruling passions were, generous sympathy, and zeal for a knowledge of Nature, "for its own sake." My trials were greatly alleviated; and to his operations on his unnatural father's sympathies, I am in part, indebted for relief from my powerful oppressors.

I consider this number of the North American Flora as the first indication of the broad day of Botanical Science in North America. I have been groping in its twilight for thirty years; and though now considerably in advance of my fellows, I am, and under the controul (most sensibly) of the gnawing worm of disease and death, it renovates my emotions, to perceive this soul-inspiring Science so ardently cherished by such an able advocate.

It is almost a P. M. — time to send this to P. O. But I will make a fugitive memorandum for you — not to go into my own journal — learning that Mr. Gray's name was to be associated with yours, two years ago, ~~[illegible]~~ however, I ought esteem him, for the sake of your great work I felt it my duty to treat his name respectfully before my classes. As numerous teachers go from this school, I often effect purposes through them. I put 24 copies of his ~~[illegible]~~ into the hands of my students; and it is our physiologic text-book — also in many of my friends' schools. His great he forced me a kind of hobbling towards me called for review; for the purpose of exhibiting his honorable views, set off by a spasmodic throw of abortive written

I received your first number. I sent Mr Willard your address circular. My daughter was eager — after asking her my opinion of the ~~[illegible]~~ title she would be a subscriber.

I shall ~~soon~~ send you a long letter. I shall demonstrate ~~that~~ Beck's Ranunculus Cliftonii is a distinct species, and absolutely new. I was the discoverer; but I was wrong in supposing it the prostratus. I am right in my Lonicera hirsuta — right in my Polygonum sphaerostachyum — right in saying ~~that~~ the Heteranthera of South Bay at Hudson is a combination of the blossom of one and the fruit of another, as I wrote you ~~[illegible]~~ years ago.

Yours truly,

Amos Eaton.

HERBARIUM COLUMBIA UNIVERSITY

N. B. You know I referred all genera to the Natural Orders, even in 1st Ed. 1816. The difference among botanists has been from my departing from the 100 orders of Jussieu, subdivided according to modern rules. But it is my 8th Ed. I am with the conform to your views for the sake of uniformity. But how can I do this?

Paid.

PAID
AUG 22 N.Y.

Prof. John Torrey. M. D.

New York.

Troy Feb. 10 — 40

My dear friend,

Your letter, this moment received, has developed a mystery, heretofore beyond my fathoming. I have rec'd numerous hints of a base conspiracy, which I was unwilling to admit, it was, that Jas Hall & one Horsford, with the aid of Zera Carr, were making me enemies, with all possible zeal. Hall I made into something, out of a very clever fellow, who had been a mackerel fisher, below Boston. As he was abjectly poor, and appeared to be honest and industrious, I enlisted the Newspapers in his favor. But Mr V. R. gave me all the honor of his appointment as State geologist, & then he pleaded poverty. They were both proposed to Marcy by myself. From that moment he seemed to be much inflated, persevered and got Hall in. A mere gaffer, Horsford, was a crony of Hall. He set about, and succeeded in exciting Hall's jealousy also. The same engine was plied with you, and I now see by them, you their chosen machine.* I will attest this — But I assure you that he told me, that you opposed some application of his, on account of your opposition to me. He brought in Boyd, some how; I have now forgotten how.

I solemnly declare that I never uttered a disrespectful syllable in re

* Horsford is the man who made the Mr V. R. appointment, but I know not, if he was not a mere tool of the Regents, and a Hale appointment.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

gard to you, knowingly before my students nor elsewhere. I expressed to yourself in a letter, and to three or three of our mutual friends, my dissatisfaction in the matter of the very unprovoked (and I must say ungentlemanly as our friends did) attack upon me by Mr Gray, through Silliman's Journal. I wrote a severe reply, which you would say, would have put him in "a bad mood." I should have demonstrated, that he (on second thought) suppressed it. This is all. But I have often been accused of being so devoted to you as to give evidence of want of decision and of self respect. So much for a few ipse dixit, explosive, specimens of mere terrigancy.

You may, on receiving the sheets, which I intend to send you hereafter a day or two, suppose that I am making idle enquiries, after advancing so far in printing. You will recollect that I placed my Natural Orders at the last of the 7th Edition, in a sort of grammar. This is now my intention, and I wish to make it as perfect as I can. Lindley sent me by Dr. Alex. V. Mengeler, a thin book, printed in 1835, containing the forms (with few alterations) which you published before your Natural Orders in 1831. — Also containing a systematic arrangement of his Natural Method; differing in some respects from that which you edited. Is this method the same with his 2d Ed.? I have studied that considerably.

You will perceive by these printed sheets, that I set in abbreviations of the orders, adopted in your catalogue; but refer to them by Jussieu's 84 hundred numbers. You see, also, that I use abbreviations for extracting the substance of Lindley's Medical Flora of 1838; which you advised me to purchase in Nov 1838. If this is quackery, it is fair quackery, as it costs the reader nothing.

I am sorry Steele of Albany, has become tired of book-trade. I suppose he is very rich; but he inherited his property, and does not wish to remain in business longer than to find a man to sell out. Three years ago, he would have been the very book-seller you now want.

I cannot obtain the new species. But if I can obtain any within the Old U. S. I will print them in an Addenda — or important ones, far away. We add some localities; and I have authorized John Witt to introduce such new expressions as you advise. I have sent you Gates' circular, by which and by the sheets I shall send, you will see how we are going on. As I have left 32 pages for abbreviations, artificial classes & orders, &c. and shall take full room for the Natural Orders, at the end I want all I can get, that I can use in accordance with the same particular manner you see. The new genera — Jepsoli, akenes, Phalops, &c. I shall put in a small compass in one vein, to avoid frightening the students.

It is now Wednesday, Feb. 12. I have set up all the genera, and the species as far as Azalea. We have printed as far as Catalpa, page 184. But Gates is an ultra as a neat bookseller; and he will not let me send any more until it is pressed. After his next pressing I will send again.

If you had one or two new things for me of peculiar interest — guess the rest.

As Gates says he will have the 2000 copies ready for market early in April, all must go rapidly. Wright, and his Michigan assistant, Bull, examine every proof — also my wife and daughter. And my sister — a lady Contributor of the Botanical Teacher, L. Johnson, perhaps not

of the copy. I hope, therefore, it may come out well. We
rely chiefly on Wright for selecting new things. Bell has
made a full index to your botany 1st and 2d, & has
sent a copy of his index into mind; which I find
very convenient.

Do send me the name of the plant, which I published under the name Sonneya in a former edition. I lent your letter on that subject, and I cannot find it; though it may have been returned. You will see how I differ of that. P. G.

PAID

Dr. Asa Gray
Cambridge
New York

You must give me some items of what I must say about your botany, in my preface. I will be in your neighbourhood, and do right. I never puff in my old age. Though I am now wheezing with the tisic. ~~[illegible]~~

I should be very glad of your old (7th) notes, for you I get it. I have just corrected proof to page 12 & 4. I have waited to this 18th Feb. for a pelfore to carry this &c. Now here not long.

COLUMBIA UNIVERSITY LIBRARY MEDICAL CORRESPONDENCE

To Dr. J. Torrey, I present to your acquaintance Mr. Wallace, a friend and formerly a student; now a merchant in New York, who will call on you. He can conveniently send any package to me at any time. The old copy of proof sheets, 7th Ed. he will send to me. I should be pleased to read your MS. note, before our Addenda is printed. He is at No. 38 Front Street.

Mr. Gates sends you our sheets regularly. I hope you receive them promptly. I heard today that Dr. Wright had a letter from you; but he has been very sick about a week, and I have not seen him. Geo. Bull, his assistant as botanist in Michigan is at his father's (Judge Bull of Troy) and at leisure. He corrects all proofs, and under the doctors direction, collects and arranges the new species. He is a very faithful and accurate botanist. He collected alone last summer in Mich. and has brought home duplicates of, perhaps, about all the plants of that state.

I devote my attention chiefly to the students, and to the application of all I can get from you and Lindley to the Natural arrangement and properties of plants.

Mr. Wallace is in haste.

Your truly,

Amos Eaton.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

For Dr. Torrey
near or on
Prince Street
or Mt. Pongal
St.

To be delivered
by Mr. Wallace,
of New York.

March 7 — 1840

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Troy, June 26th 1840.

Dear Sir,

I send you this little book as a curiosity for you. It has been considered as a curiosity by many — as very useful by others — as troublesome by some — and as sufficient for a flora by a few. Just look at it. Several large Schools have been taught well with it, without any other book. An excellent School of Botanists are now learning with it, under a Mr. Avery, in the Town of Mexico on Lake Ontario.

Please to read all of the two pages of Notices — also all of page 8. See page 19. See at page 147 and on to 252, as a good exercise for young Students. See the fly-card at the end of the book, &c.

Dr. Wright received a letter from you, pointing out objections to 8th Ed. Not accounting for removed species was a great error. It is limited, however, to the beginning of the species. We heard, that your 3d No was printed in April; but have not seen it.

I think, I am on the decline of life, without hope of full recovery. I give my School lectures and attend a common round of duty. But since my spasmodic symptoms of asthma have nearly ceased, I feel more emphatically the debility of age. I am but little over 60, and might yet be strong and somewhat efficient. I am endeavoring to leave this institution, and shall do it, as soon as it can be put in a situation to dispense with my services. I have always carried it on my back, with a few nominal assistants, since Dr. L. C. Beck left it. I shall not leave it, until it is placed on a more permanent foundation. This is in a train to be effected within a year, I hope.

I hope you will not tire in the cause of the Modern Sciences. I believe you have about ~~twenty~~ years yet left behind my number. This appears to me a very short period, when I consider ~~that~~ I have been in Gray 22 years. Gov. Morgan Lewis was here last Wednesday. He says, he is 12 years older than I am; and he could tumble a room-full of such as I am, out at the windows. Ambrose Spencer is yet strong; and many others of my acquaintance of great age. But I have out-lived most of my generation. Very few of the companions of my youth are now in life. In my native parish I can find but about a dozen of my years. I had a severe attack of bleeding at the lungs about two months since; and a few slight attacks since. I have all my life been ~~exceedingly~~ temperate in drinks — never once in my life in any degree under the influence of strong drink. But in early manhood I always took too large a quantity of food. I learned the ill effects after passing 50 years.

Why cannot we have a kind of Manual of N. American Zoology. The plan of my little Zoology of 1820, would be a good one. When I made ~~that~~, I was assured by many, that a suitable manual could be prepared within 4 or 5 years. I think you spoke of a Mr. Stuart. We have no Mineralogy nor Zoology suitable for Schools. Alas, plan will never be received. It is too tedious and nothing is gained. The number of species, hardly equalling the species of one genus of plants cannot require such a hideous nomenclature.

Yours truly, A. Eaton

FORHEL CORRESPONDENCE
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Dr. Jno Torrey.

30 McDougall St New York

Care of D. C. Eaton,
of Robinson &
Eaton. N.Y. Pearl

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